

L Number	Hits	Search Text	DB	Time stamp
1	971	709/231.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:31
2	69	(up?load (up adj load)) with (head?end (head adj end) server)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:16
3	3	(up?load (up adj load)) and 709/231.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:16
4	238	(streaming with server) and 709/231.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:18
5	34	(up?load file?shar\$3 (up adj load) (file adj shar\$3)) and 709/231.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:19
6	26479	709/\$.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:32
7	447	709/\$.cccls. and ((streaming with video) same server)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:37
8	12712	(user client terminal) adj5 (send upload transmit\$3 copy) adj5 server	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:38
9	3459	709/\$.cccls. and ((user client terminal) adj5 (send upload transmit\$3 copy) adj5 server)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:38
10	149	709/231.cccls. and (709/\$.cccls. and ((user client terminal) adj5 (send upload transmit\$3 copy) adj5 server))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 15:38

File 344:Chinese Patents Abs Aug 1985-2003/Nov  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2003/Oct (Updated 040202)  
(c) 2004 JPO & JAPIO  
File 348:EUROPEAN PATENTS 1978-2004/Jan W05  
(c) 2004 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20040129,UT=20040122  
(c) 2004 WIPO/Univentio  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200409  
(c) 2004 Thomson Derwent

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Set	Items	Description
S1	12	AU=(LIWERANT, G? OR LIWERANT G?)
S2	47	AU=(DODGE, C? OR DODGE C?)
S3	13	AU=(BOISSIERE, G? OR BOISSIERE G?)
S4	4	CO=VIDEOSHARE
S5	26201	(FILE OR DATA OR INFO OR INFORMATION OR RECORD?) (3N) (SHARE? ? OR SHARING)
S6	48	S1 OR S2 OR S3 OR S4
S7	4	S6 AND S5
S8	4	S6 AND STREAM? (10N) (COMPRESS? OR DECOMPRESS?)
S9	4	S6 AND (UPLOAD? OR UPDAT? OR SYNCHRONI? OR COORDINAT?) (3N) - SERVER
S10	4	S7 OR S8 OR S9
S11	4	IDPAT (sorted in duplicate/non-duplicate order)
S12	4	IDPAT (primary/non-duplicate records only)
S13	11	S6 AND IC=H04N-007/173
S14	11	IDPAT (sorted in duplicate/non-duplicate order)
S15	7	IDPAT (primary/non-duplicate records only)
S16	7	S15 NOT S12

12/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00834703 \*\*Image available\*\*

**SHARING A STREAMING VIDEO**

**PARTAGE D'UNE SEQUENCE VIDEO**

Patent Applicant/Assignee:

VIDEOSHARE INC, 100 Talcott Avenue, Watertown, MA 02472, US, US  
(Residence), US (Nationality)

Inventor(s):

**LIWERANT Gad**, Apartment 608, 1008 Massachusetts Avenue, Cambridge, MA 02138, US,

**DODGE Christopher**, 30 Allen Street, Arlington, MA 02474, US,

**BOISSIERE Guillaume**, Apartment 505, 950 Massachusetts Avenue, Cambridge, MA 02139, US

Legal Representative:

MILSTEIN Joseph B (agent), Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200167772 A2-A3 20010913 (WO 0167772)

Application: WO 2001US7642 20010309 (PCT/WO US0107642)

Priority Application: US 2000188082 20000309

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21587

Inventor(s):

**LIWERANT Gad** ...

... **DODGE Christopher** ...

... **BOISSIERE Guillaume**

Fulltext Availability:

Detailed Description

Detailed Description

... that a person at that destination computer can view the video segment.  
[00061 In accordance with the present invention, full motion video can be automatically uploaded to a video server and then accessed by any number of viewers after each viewer has been provided with an identifier of the video. The video identifier can in...of. receiving the transmission of a video file, optionally with one or more audio files, in e-mail, HTML message, Web page format, or FTP upload to the server computer ("receive information" at box 1405); extracting from the received message the video and all of the information sent with the video, including but not...

...convert to format compatible with streaming video" at box 1425); passing the 1 5 video to the next process step if it is already in streaming video format (Yes at box 1430); optionally compressing the video in

**streaming** video format; creating an identification tag for the video in streaming video format; storing a copy of the video, 'in streaming video format in an...of an identification tag for a video and the use of the identification tag.' The discussion below describes storing a video in uncompressed or in **compressed** streaming video format, either locally or remotely from the storage of the server computer. The discussion below describes recording in a database the identification tag and...converts the video into a format compatible with streaming video format. The server computer 1400 takes that form of the video that is compatible with **streaming** video format and optionally performs **compression** of the video. The server computer 1400 takes the video in format compatible with **streaming** video format, in uncompressed or optionally **compressed** condition, and creates one or more identifiers, which can include a "thumbnail" image (described in the discussion below), a file name, a handle and the...

...such as a description of the video.

- 23 The server computer 1400 creates an identification tag, which it uses to identify the uncompressed or optionally **compressed** video in **streaming** video format for storage and retrieval purposes. The server computer 1400 stores the uncompressed or optionally **compressed** video in **streaming** video format locally or remotely in an archive. The server computer 1400 stores in a database the identification tag and the location of the uncompressed or optionally **compressed** video in **streaming** video format. The server computer 1400 sends to the sender one or more of the identifiers of the video. The identifiers can be sent to  
...

...in one or more different formats, including an identifier such as a Universal Resource Locator (URL) that is associated with the stored uncompressed or optionally **compressed** video in **streaming** video format; an e1 0 mail with information relating to the location and/or command required to request that the video be streamed; the command...COM component Opeg.dll); (3) Thumbnail Acquisition DirectShow (ThumbnailFilter.ax); (4) Extended MAPI interface (1 4apiExAPI.dll); (5) ICQ interface (icqglue.dll); AND (6) VideoShare Upload /Database Server (vpserver.exe).

12/3,K/2 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00776545 \*\*Image available\*\*

INSTANT VIDEO MESSENGER

MESSAGER VIDEO INSTANTANE

Patent Applicant/Assignee:

VIDEOSHARE INC, Third Floor, 907 Massachusetts Avenue, Cambridge, MA 02139, US, US (Residence), US (Nationality)

Inventor(s):

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BOISSIERE Guillaume , Apartment 505, 950 Massachusetts Avenue, Cambridge, MA 02139, US

Legal Representative:

MILSTEIN Joseph B, Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200110128 A1 20010208 (WO 0110128)  
Application: WO 2000US21214 20000803 (PCT/WO US0021214)  
Priority Application: US 99147029 19990803; US 2000497587 20000203; US  
2000196069 20000410  
Designated States: AU CA CN IL JP  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 20846

Inventor(s):  
**LIWERANT Gad** ...

...US  
**DODGE Christopher** ...

...US  
**BOISSIERE Guillaume** ...

Fulltext Availability:  
Detailed Description

#### Detailed Description

... must be processed in real time, because it is analogous to two way television broadcasting over a network. The real time processing includes capturing the video, **compressing** the video, **streaming** the video, **decompressing** the video and rendering the video. Because all of these processes must be performed in real time, the NetMeeting real-time technology is beyond the... were entirely written by VideoShare Inc. The VideoShare 2Peer software is built upon the following third-party technologies that provide lower-level device support, document **sharing**, and **file** format conversion: (1) Microsoft's DirectShow; (2) Microsoft's Windows Media Technologies; (3) Microsoft's Video for Windows; (4) MAPI; AND (5) ICQ.

When the...

...labeled VideoShare Password and activates the "Start VideoShare 2Peer" button 420, the VideoShare 2Peer 3000 software opens a TCP/IP socket connection to the VideoShare **Upload /Database Server** via port 80 in order to avoid typical Firewall and/or Proxy Server problems. If the box 430 labeled Remember password is checked, the VideoShare...

...software will remember the user's password, eliminating I O the necessity to type in that information each time the software is started. The VideoShare **Upload /Database Server** then verifies the validity of the username/password. Furthermore, the VideoShare 2Peer 3000 software will notify the user if there is a more recent version...or her hard drive;

- Save and Share button 536, which in the present embodiment activates software modules that convert the current video file into a **compressed streaming** format, and that send the video; and
- Shuttle Bar 537 which is used to control the current position of the playback file together with forward...

...software greatly simplifies the entire process by seamlessly automating the following steps that are depicted in FIG. 14A.

Video file for i-nat conversion, as required;  
**Compression** to a **streaming** multimedia format at a user-specified

bitrate; Creating a "Thumbnail" JPEG snapshot of the video file, as an identifier that a user or a viewer...of the process is the upload operation, in which the VideoShare 2Peer software contacts the host computer 60, which in one embodiment is the VideoShare **Upload /Database Server** at the VideoShare hosting facility. This portion of the automated process is denoted by the box 645 labeled "Transfer ("upload") temporarily stored SMF file and...

12/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00776544 \*\*Image available\*\*  
**METHOD AND SYSTEM FOR SHARING VIDEO OVER A NETWORK**  
**PROCEDE ET SYSTEME DE PARTAGE DE SEGMENTS DE MEMOIRE VIDEO SUR UN RESEAU**  
Patent Applicant/Assignee:

VIDEOSHARE INC, Third Floor, 907 Massachusetts Avenue, Cambridge, MA 02139, US, US (Residence), US (Nationality)

Inventor(s):

**LIWERANT Gad**, Apartment 608, 1008 Massachusetts Avenue, Cambridge, MA 02138, US

**DODGE Christopher**, 30 Allen Street, Arlington, MA 02474, US

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Legal Representative:

**MILSTEIN Joseph B**, Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200110127 A1 20010208 (WO 0110127)

Application: WO 2000US21212 20000803 (PCT/WO US0021212)

Priority Application: US 99147029 19990803; US 2000497587 20000203

Designated States: AU CA CN IL JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 12841

Inventor(s):

**LIWERANT Gad** ...

...US

**DODGE Christopher** ...

...US

**BOISSIERE Guillaume** ...

Fulltext Availability:

Detailed Description

Detailed Description

... such that a person at the receiving computer can view the video segment.

In accordance with the present invention, full motion video can be automatically **uploaded** to a video **server** and then accessed by any number of viewers after each viewer has been provided with an identifier of the video. The video identifier can in...

...video game console or any device that can be configured to upload video segments and images to the video server. A video segment can be **uploaded**

to the video server over a network such as the Internet or by the use of wireless communication, or by a combination of both. The video server can include...

...include compression techniques to manage large video segments and image files. Video segments and image files can be compressed by the video sender before being uploaded to the server or can be compressed by the server itself. Compression can be used to improve the efficiency of transmission and to improve the use of storage... ATL COM component Opeg.dll); (3) Thumbnail Acquisition DirectShow (ThumbnailFilter.ax); (4) Extended MAPI interface (MapiExAPI.dll); (5) ICQ interface (icqglue.dll); AND (6) VideoShare Upload /Database Server (vpserver.exe).

All components, except for significant portions of the JPEG component that uses public domain source code, were entirely written by VideoShare Inc. The VideoShare Upload /Data Server constantly runs at the VideoShare Hosting Facility, an embodiment of the host computer 60, with which an installed instance of the VideoShare Producer 20 software...

...button that is described later.

The VideoShare Producer 20 software is built upon the following third-party technologies that provide lower-level device support, document sharing, and file format conversion: (1) Microsoft's DirectShow; (2) Microsoft's Windows Media Technologies; (3) Microsoft's Video for Windows; (4) MAPI; AND (5) ICQ.

When the...

12/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00776543 \*\*Image available\*\*  
METHOD AND SYSTEM FOR SHARING VIDEO WITH ADVERTISEMENTS OVER A NETWORK  
PROCEDE ET SYSTEME POUR PARTAGER DE LA VIDEO AVEC DE LA PUBLICITE A TRAVERS  
UN RESEAU

Patent Applicant/Assignee:

VIDEOSHARE INC, 3rd floor, 907 Massachusetts Avenue, Cambridge, MA 02139,  
US, US (Residence), US (Nationality)

Inventor(s):

LIWERANT Gad , Apartment 608, 1008 Massachusetts Avenue, Cambridge, MA 02138, US

DODGE Christopher , 30 Allen Street, Arlington, MA 02474, US

BOISSIERE Guillaume , Apartment 505, 950 Massachusetts Avenue,  
Cambridge, MA 02139, US

Legal Representative:

MILSTEIN Joseph B, Testa, Hurwitz & Thibeault, LLP, High Street Tower,  
125 High Street, Boston, MA 02110, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200110126 A1 20010208 (WO 0110126)

Application: WO 2000US21169 20000803 (PCT/WO US0021169)

Priority Application: US 99147029 19990803; US 2000497587 20000203

Designated States: AU CA CN IL JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 16704

Inventor(s) :

LIWERANT Gad ...

...US

DODGE Christopher ...

...US

BOISSIERE Guillaume ...

Fulltext Availability:

Detailed Description

Detailed Description

... at the receiving computer can view the video segment and the associated advertisement.

In accordance with the present invention, full motion video can be automatically **uploaded** to a video **server** and can then be associated with an advertisement selected by the 1 5 sender of the video. The video and associated advertisement can be accessed...identification tag that the host computer 60 can use to locate the stored video segment for retrieval and for viewing. A video segment can be **uploaded** to the video **server** over a network such as the Internet or by the use of wireless communication, or by a 1 5 combination of both. The video server...COM component Opeg.dll); (3) Thumbnail Acquisition DirectShow - 23 (ThumbnailFilter.ax); (4) Extended MAPI interface (MapiExAPI.dll); (5) ICQ interface (icqglue.dll); AND (6) VideoShare **Upload /Database Server** (vpserver.exe).

All components, except for significant portions of the JPEG component that uses public domain source code, were entirely written by VideoShare Inc. The VideoShare **Upload /Data Server** constantly runs at the VideoShare Hosting Facility, an embodiment of the host computer 60, with which an installed instance of the VideoShare Producer 20 software...

...button that is described later.

The VideoShare Producer 20 software is built upon the following third-party technologies that provide lower-level device support, document **sharing**, and **file** format conversion: (1) Microsoft's DirectShow; (2) Microsoft's Windows Media Technologies; (3) Microsoft's Video for Windows; (4) MAPI; AND (5) ICQ.

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16/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01263630

INSTANT VIDEO MESSENGER  
SYSTEM ZUR SOFORTIGER UBERTRAGUNG VON VIDEONACHRICHTEN  
MESSAGER VIDEO INSTANTANE

PATENT ASSIGNEE:  
Videoshare. Inc., (3241800), Third Floor, 907 Massachusetts Avenue,  
Cambridge, MA 02139, (US), (Applicant designated States: all)

INVENTOR:

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Dodge, Christopher , 30 Allen Street, Arlington, MA 02474, (US)  
Boissiere, Guillaume , Apartment 505 950 Massachusetts Avenue,

Cambridge, MA 02139, (US)

PATENT (CC, No, Kind, Date):

WO 2001010128 010208

APPLICATION (CC, No, Date): EP 2000952461 000803; WO 2000US21214 000803  
PRIORITY (CC, No, Date): US 147029 P 990803; US 497587 000203; US 196069 P

000410

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

Videoshare. Inc., (3241800), Third Floor, 907 Massachusetts Avenue,  
Cambridge, MA 02139, (US); NOTING OF LOSS OF RIGHTS PURSUANT TO RULE  
69(1) EPC. EPO FORM 1205A DATED 01.08.02

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

Liwerant, Gad ...

...US)

Dodge, Christopher ...

...US)

Boissiere, Guillaume ...

INTERNATIONAL PATENT CLASS: H04N-007/173

16/3,K/2 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01263629

METHOD AND SYSTEM FOR SHARING VIDEO OVER A NETWORK  
VERFAHREN UND SYSTEM ZUM TEILEN VON VIDEO IN EINEM NETZWERK  
PROCEDE ET SYSTEME DE PARTAGE DE SEGMENTS DE MEMOIRE VIDEO SUR UN RESEAU  
PATENT ASSIGNEE:

Videoshare. Inc., (3241800), Third Floor, 907 Massachusetts Avenue,  
Cambridge, MA 02139, (US), (Applicant designated States: all)

INVENTOR:

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DODGE, Christopher , 30 Allen Street, Arlington, MA 02474, (US)

BOISSIERE, Guillaume , Apartment 505, 950 Massachusetts Avenue,

Cambridge, MA 02139, (US)  
PATENT (CC, No, Kind, Date):

WO 2001010127 010208

APPLICATION (CC, No, Date): EP 2000952459 000803; WO 2000US21212 000803

PRIORITY (CC, No, Date): US 147029 P 990803; US 497587 000203

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

Videoshare. Inc., (3241800), Third Floor, 907 Massachusetts Avenue,  
Cambridge, MA 02139, (US); NOTING OF LOSS OF RIGHTS PURSUANT TO RULE  
69(1) EPC, F1205 DATED 14.08.02

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

LIWERANT, Gad ...

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DODGE, Christopher ...

...US)

BOISSIERE, Guillaume ...

INTERNATIONAL PATENT CLASS: H04N-007/173

16/3,K/3 (Item 3 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01263622

METHOD AND SYSTEM FOR SHARING VIDEO WITH ADVERTISEMENTS OVER A NETWORK  
VERFAHREN UND SYSTEM ZUM TEILEN VON VIDEO MIT WERBUNG IN EINEM NETZWERK  
PROCEDE ET SYSTEME POUR PARTAGER DE LA VIDEO AVEC DE LA PUBLICITE A TRAVERS  
UN RESEAU

PATENT ASSIGNEE:

Videoshare. Inc., (3241800), Third Floor, 907 Massachusetts Avenue,  
Cambridge, MA 02139, (US), (Applicant designated States: all)

INVENTOR:

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DODGE, Christopher , 30 Allen Street, Arlington, MA 02474, (US)

BOISSIERE, Guillaume , Apartment 505, 950 Massachusets Avenue,  
Cambridge, MA 02139, (US)

PATENT (CC, No, Kind, Date):

WO 2001010126 010208

APPLICATION (CC, No, Date): EP 2000952443 000803; WO 2000US21169 000803

PRIORITY (CC, No, Date): US 147029 P 990803; US 497587 000203

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

Videoshare. Inc., (3241800), Third Floor, 907 Massachusetts Avenue,  
Cambridge, MA 02139, (US); NOTING OF LOSS OF RIGHTS PURSUANT TO RULE  
69(1) EPC. EPO FORM 1205A DATED 01.08.02

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

LIWERANT, Gad ...

...US)  
DODGE, Christopher ...

...US)  
BOISSIERE, Guillaume ...

INTERNATIONAL PATENT CLASS: H04N-007/173

16/3,K/4 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014447207 \*\*Image available\*\*  
WPI Acc No: 2002-267910/200231  
XRPX Acc No: N02-208377

Segment sharing method for streaming video format over computer network  
e.g. attached to e-mail, posted on web page etc, using tags created by  
software modules in servers  
Patent Assignee: VIDEOSHARE INC (VIDE-N); BOISSIERE G (BOIS-I); DODGE C  
(DODG-I); LIWERANT G (LIWE-I)  
Inventor: BOISSIERE G ; DODGE C ; LIWERANT G  
Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200167772	A2	20010913	WO 2001US7642	A	20010309	200231 B
AU 200145575	A	20010917	AU 200145575	A	20010309	200231
US 20020056123	A1	20020509	US 2000188082	P	20000309	200235
			US 2001803243	A	20010309	

Priority Applications (No Type Date): US 2000188082 P 20000309; US  
2001803243 A 20010309

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200167772	A2	E	85	H04N-007/24	
Designated States .(National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200145575	A			H04N-007/24	Based on patent WO 200167772
US 20020056123	A1			H04N-007/173	Provisional application US 2000188082

Inventor: BOISSIERE G ...

... DODGE C ...

... LIWERANT G  
International Patent Class (Main): H04N-007/173 ...

16/3,K/5 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014037218 \*\*Image available\*\*  
WPI Acc No: 2001-521431/200157  
Related WPI Acc No: 2001-397341; 2001-464763  
XRPX Acc No: N01-386350

**Method of sending streaming video message over network by using supervisory computer communication module**

Patent Assignee: VIDEOSHARE INC (VIDE-N)

Inventor: BOISSIERE G ; DODGE C ; LIWERANT G

Number of Countries: 023 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200110128	A1	20010208	WO 2000US21214	A	20000803	200157 B
AU 200065156	A	20010219	AU 200065156	A	20000803	200157

Priority Applications (No Type Date): US 2000196069 P 20000410; US 99147029  
P 19990803; US 2000497587 A 20000203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200110128 A1 E 66 H04N-007/173

Designated States (National): AU CA CN IL JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

AU 200065156 A H04N-007/173 Based on patent WO 200110128

Inventor: BOISSIERE G ...

... DODGE C ...

... LIWERANT G

International Patent Class (Main): H04N-007/173

16/3,K/6 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013980549 \*\*Image available\*\*

WPI Acc No: 2001-464763/200150

Related WPI Acc No: 2001-397341; 2001-521431

XRPX Acc No: N01-344758

Sending video segment and associated advertisement over computer network  
has video segment and one or more advertisements acquired at computer

Patent Assignee: VIDEOSHARE INC (VIDE-N)

Inventor: BOISSIERE G ; DODGE C ; LIWERANT G

Number of Countries: 023 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200110126	A1	20010208	WO 2000US21169	A	20000803	200150 B
AU 200065142	A	20010219	AU 200065142	A	20000803	200150

Priority Applications (No Type Date): US 2000497587 A 20000203; US 99147029  
P 19990803

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200110126 A1 E 71 H04N-007/173

Designated States (National): AU CA CN IL JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

AU 200065142 A H04N-007/173 Based on patent WO 200110126

Inventor: BOISSIERE G ...

... DODGE C ...

... LIWERANT G

International Patent Class (Main): H04N-007/173

16/3,K/7 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013913128 \*\*Image available\*\*

WPI Acc No: 2001-397341/200142

Related WPI Acc No: 2001-464763; 2001-521431

XRPX Acc No: N01-292818

Sending video segment over computer network has video segment contains  
image portion and audio portion is acquired

Patent Assignee: VIDEOSHARE INC (VIDE-N)

Inventor: BOISSIERE G ; DODGE C ; LIWERANT G

Number of Countries: 023 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200110127	A1	20010208	WO 2000US21212	A	20000803	200142 B
AU 200065154	A	20010219	AU 200065154	A	20000803	200142

Priority Applications (No Type Date): US 2000497587 A 20000203; US 99147029  
P 19990803

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200110127 A1 E 58 H04N-007/173

Designated States (National): AU CA CN IL JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

AU 200065154 A H04N-007/173 Based on patent WO 200110127

Inventor: BOISSIERE G ...

... DODGE C ...

... LIWERANT G

International Patent Class (Main): H04N-007/173

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File 344:Chinese Patents Abs Aug 1985-2003/Nov

(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/Oct (Updated 040202)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200409

(c) 2004 Thomson Derwent

? ds

Set	Items	Description
S1	848693	(NETWORK? ? OR REMOTE? OR ONLINE OR SERVER? ? OR CLIENT? ? OR DISTRIBUTED()SYSTEM? ? OR LAN? ? OR WAN? ? OR (LOCAL OR WI- DE) (W)AREA (W)NETWORK? OR NET OR WEB OR WWW OR INTERNET)
S2	3224405	FILE OR DATA OR INFO OR INFORMATION OR RECORD?
S3	11002	S2 (3N) (SHARE? ? OR SHARING)
S4	2067315-	VIDEO? ? OR AUDIO OR MULTIMEDIA OR MULTI()MEDIA OR MOVIE? ? OR MUSIC? OR SONG? ? OR CLIP OR RECORDING OR AUDIOVISUAL OR AV OR IMAGE?
S5	193004	STREAM?
S6	620939	COMPRESS? OR DECOMPRESS?
S7	2586	(UPLOAD? OR UPDAT? OR SYNCHRONI? OR COORDINAT?) (3N) SERVER
S8	24088	MEDSTREAM OR XING OR VIVO OR MED()X OR PINNACLE()STUDIO OR TMPGENC
S9	2308	S3 AND S4
S10	523	S7 AND S4
S11	586	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD? OR CODEC OR ENCOD?) (5N) S5 (5N) S6
S12	0	S9 AND S10 AND S11
S13	16	(S9 AND S10) OR (S10 AND S11) OR (S9 AND S11)
S14	278	S11 AND S4 (5N) S2
S15	134	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD?) (3N) S5 (3N) S6
S16	62	S15 AND S4 (3N) S2
S17	0	S16 AND S3
S18	0	S16 AND S7
S19	15	S16 AND S1
S20	15	IDPAT (sorted in duplicate/non-duplicate order)
S21	15	IDPAT (primary/non-duplicate records only)
S22	7	S21 AND AD=19990803:20040206/PR
S23	8	S21 NOT S22
S24	16	IDPAT S13 (sorted in duplicate/non-duplicate order)
S25	16	IDPAT S13 (primary/non-duplicate records only)
S26	9	S25 AND AD=19990803:20040206/PR
S27	7	S25 NOT S26
S28	7	S27 NOT S23
S29	0	S15 AND (S7 OR S3)
S30	13	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD?) (3W) S5 (3W) S6
S31	8	S30 AND S4
S32	8	IDPAT (sorted in duplicate/non-duplicate order)
S33	8	IDPAT (primary/non-duplicate records only)
S34	6	S33 AND AD=19990803:20040206/PR
S35	2	S33 NOT S34
S36	264	FILE() (SHARE OR SHARING)
S37	0	S36 AND S5 (W) S4
S38	2	S7 AND S5 (W) S4
S39	2	S38 NOT (S23 OR S27 OR S35)
S40	16417	IC=H04N-007/173
S41	184	S40 AND (S15 OR S7 OR S3)
S42	1	S41 AND ((S15 AND S7) OR (S15 AND S3) OR (S7 AND S3))
S43	0	S42 NOT AD=19990803:20040206/PR

23/3,K/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06714019 \*\*Image available\*\*  
MULTI-CHANNEL VIDEO AUDIO SIGNAL SERVER AND PROGRAM RECORDING MEDIUM

PUB. NO.: 2000-299854 [JP 2000299854 A]  
PUBLISHED: October 24, 2000 (20001024)  
INVENTOR(s): TAKEUCHI SEIICHI  
NISHINO SHOICHI  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD  
APPL. NO.: 11-104368 [JP 99104368]  
FILED: April 12, 1999 (19990412)

MULTI-CHANNEL VIDEO AUDIO SIGNAL SERVER AND PROGRAM RECORDING MEDIUM

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a multi-channel video audio signal server and a program recording medium that can deal with a digital broadcast having a plurality of video signal formats.

SOLUTION: The multi-channel video audio signal server 100 provided with a plurality of decoding sections 101 and a plurality of format conversion sections 102 corresponding to the decoding sections 101 converts a digital compression stream with a plurality of formats into a digital video signal with a single video signal format.

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23/3,K/2 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013697553 \*\*Image available\*\*

WPI Acc No: 2001-181777/200118  
Related WPI Acc No: 2003-198774  
XRPX Acc No: N01-129667

Compressed digital video signal transmission system for DSL networks and ATM networks includes rate conversion system that converts bit rate of pre-compressed video stream from one bit rate to another

Patent Assignee: CISCO SYSTEMS INC (CISC-N)

Inventor: CHEN W H; WU F; ZHANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6181711	B1	20010130	US 9751109	P	19970626	200118 B
			US 97947480	A	19971010	

Priority Applications (No Type Date): US 9751109 P 19970626; US 97947480 A 19971010

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6181711 B1 29 H04J-003/16 Provisional application US 9751109  
Compressed digital video signal transmission system for DSL networks and ATM networks includes rate conversion system that converts bit rate of pre-compressed video stream from one bit rate to another

Abstract (Basic):

... Transmitting of compressed video and data bit stream over a communication channel such as digital subscriber loop (DSL) access network , ATM networks , satellite or wireless digital transmission facilitates...

...Title Terms: NETWORK ;

23/3,K/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013637804 \*\*Image available\*\*  
WPI Acc No: 2001-122012/200113

XRPX Acc No: N01-089514

Compressed video transcoder for video servers , sets up same delay in encoding sequence of frames whether frames are I, P or B frames

Patent Assignee: C CUBE MICROSYSTEMS INC (CCUB-N)

Inventor: LINZER E N; WELLS A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6141447	A	20001031	US 96755447	A	19961121	200113 B

Priority Applications (No Type Date): US 96755447 A 19961121

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6141447	A	15	G06K-009/36	

Compressed video transcoder for video servers , sets up same delay in encoding sequence of frames whether frames are I, P or B frames

Abstract (Basic):

... video bit stream and outputs sequence of frames in an order for direct encoding. An encode order video encoder encodes the sequence of frames without recording and another compressed video bit stream is output. Delay in encoding the sequence of frames is equal whether frames are I, P or B frames.

... Compressed video bit streams output by decoder and encoder, have different bit rates and resolutions. An INDEPENDENT CLAIM is also included for method for transcoding compressed video bit stream .

...

...For compressing video bit streams in video server . Also for use with MPEG-2 video encoding and for JPEG and digital video cassette (DVC) encoding...

...The encoder directly encodes the sequence of frames without further recording , hence the video transcoder can be implemented without recorder buffers at low cost

23/3,K/4 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013516587 \*\*Image available\*\*  
WPI Acc No: 2001-000793/200101

XRPX Acc No: N01-000627

Multi-functional transcoder for compressed bit stream uses post-pre-processing engine to give several processing functions to

implement desired format conversions based on user selection or automatic generated signal

Patent Assignee: GEN INSTR CORP (GENN )

Inventor: LUTHRA A; WANG L

Number of Countries: 028 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1032217	A2	20000830	EP 99125721	A	19991223	200101 B
CA 2293927	A1	20000707	CA 2293927	A	19991231	200101
US 6434197	B1	20020813	US 99226796	A	19990107	200255
MX 2000000319	A1	20020401	MX 2000319	A	20000107	200363

Priority Applications (No Type Date): US 99226796 A 19990107

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1032217	A2	E	20 H04N-007/26
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

CA 2293927	A1	E	H04N-007/26
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US 6434197	B1		H04N-007/18
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MX 2000000319	A1		H04N-007/26
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Multi-functional transcoder for compressed bit stream uses post-pre-processing engine to give several processing functions to implement desired format conversions based on user selection or automatic generated signal

Abstract (Basic):

... An INDEPENDENT CLAIM is included for apparatus for transcoding compressed digital video data .  
...

...As a multi-functional transcoder for a compressed bit stream , used e.g. at the head end of a cable or satellite TV network .

23/3,K/5 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012496353 \*\*Image available\*\*

WPI Acc No: 1999-302461/199925

XRPX Acc No: N99-226634

Telecommunications multimedia communications system for use in conjunction with telecommunications network using two multimedia terminals, with codec, coupled to network

Patent Assignee: GEN DATACOMM IND INC (GEDA-N)

Inventor: BRETON Y; KERR G N W; NAHAS C

Number of Countries: 019 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9918728	A1	19990415	WO 98US20706	A	19980929	199925 B

Priority Applications (No Type Date): US 97942675 A 19971002

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9918728	A1	E	30 H04N-007/10
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Designated States (National): CA

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

Telecommunications multimedia communications system for use in conjunction with telecommunications network using two multimedia terminals, with codec, coupled to network

Abstract (Basic) :

- ... The multipoint multimedia server has several different compression codecs (134), multipoint switch (132), separate audio and video processors (136 and 138) and controller (140). Data streams of different compression standards enter the server and are directed to the appropriate codec. The signals are mixed and switched using the controller and the switch and then routed back to the...  
... The signals are recompressed to the right standard for each user before exiting the server .  
...  
...For providing a method, apparatus and system for handling compressed multimedia communication data so that multimedia equipment using different data compression formats can be interconnected with each other...  
... Converts a data stream compressed with one standard to a data stream compressed with a different method...  
...The drawing shows a high level diagram of a multi-point multimedia server coupled to a node of an ATM network serving several multimedia conferencing sites each utilising a different data compression standard  
...Title Terms: NETWORK ;

23/3,K/6 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011036506 \*\*Image available\*\*  
WPI Acc No: 1997-014430/199702  
XRPX Acc No: N97-012534

Voice recording and playback appts. - uses encoding to convert telephone signals into optically readable image using predefined code  
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ) ; IBM UK LTD (IBMC )  
Inventor: CHEVION D; CHEVION D S  
Number of Countries: 022 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2301729	A	19961211	GB 9510879	A	19950530	199702 B
WO 9638972	A1	19961205	WO 95GB2553	A	19951101	199703
US 5828736	A	19981027	US 96654369	A	19960530	199850
GB 2301729	B	19990602	GB 9510879	A	19950530	199924
KR 98702077	A	19980715	WO 95GB2553	A	19951101	199927
			KR 97705472	A	19970808	
CN 1209927	A	19990303	CN 95197874	A	19951101	199928
TW 411686	A	20001111	TW 95111634	A	19951103	200121
KR 295002	B	20010807	WO 95GB2553	A	19951101	200227
			KR 97705472	A	19970808	
CA 2218527	C	20030218	CA 2218527	A	19951101	200327
			WO 95GB2553	A	19951101	

Priority Applications (No Type Date): GB 9510879 A 19950530  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2301729	A		23	H04M-001/00	
WO 9638972	A1	E	21	H04M-003/50	
Designated States (National): CA CN JP KR US					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL					
PT SE					
US 5828736	A			H04M-011/00	
GB 2301729	B			H04M-001/00	
KR 98702077	A			H04M-011/10	Based on patent WO 9638972
CN 1209927	A			H04M-003/50	
TW 411686	A			G06K-009/74	
KR 295002	B			H04M-011/10	Previous Publ. patent KR 98702077 Based on patent WO 9638972
CA 2218527	C	E		H04M-003/50	Based on patent WO 9638972

Voice recording and playback appts...

...Abstract (Basic): The recording appts. has a suitable interface (100) for connection to the telephone network. An analogue to digital converter (110) feeds digital speech signals to a speech coder (120), which outputs a stream of digital data to be recorded on to paper. The code image converter (130) converts the compressed digital data stream into a bit map suitable for printing by the printer (140...).

23/3,K/7 (Item 6 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2004 Thomson Derwent. All rts. reserv.

010181189 \*\*Image available\*\*  
 WPI Acc No: 1995-082442/199511  
 XRPX Acc No: N95-065263  
 System for storing and forwarding audio - video information on demand - provides tapeless transfer of digital information from first to second, remote location by automated, accountable, controlled process

Patent Assignee: ELECTRONIC DATA SYSTEMS CORP (ELDA-N)

Inventor: BUHRO W R; RADOWICK E W; ROGERS J E

Number of Countries: 021 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9504431	A2	19950209	WO 94US7995	A	19940719	199511 B
AU 9473990	A	19950228	AU 9473990	A	19940719	199521
US 5440336	A	19950808	US 9396098	A	19930723	199537
WO 9504431	A3	19950330	WO 94US7995	A	19940719	199614
EP 710420	A1	19960508	EP 94923948	A	19940719	199623
			WO 94US7995	A	19940719	
JP 9501031	W	19970128	WO 94US7995	A	19940719	199714
			JP 95505855	A	19940719	
AU 694950	B	19980806	AU 9473990	A	19940719	199843
CA 2167801	C	19990831	CA 2167801	A	19940719	200002
			WO 94US7995	A	19940719	

Priority Applications (No Type Date): US 9396098 A 19930723

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9504431	A2		41	H04N-007/173	
Designated States (National): AU CA JP KP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL					
PT SE					
CA 2167801	C	E		H04N-007/173	Based on patent WO 9504431

AU 9473990	A	H04N-007/173	Based on patent WO 9504431
US 5440336	A	19 H04M-011/00	
EP 710420	A1 E	33 H04N-007/173	Based on patent WO 9504431
Designated States (Regional): BE DE FR GB IT NL SE			
JP 9501031	W	49 H04N-007/173	Based on patent WO 9504431
AU 694950	B	H04N-007/173	Previous Publ. patent AU 9473990 Based on patent WO 9504431
WO 9504431	A3	H04N-007/173	

**System for storing and forwarding audio - video information on demand**

...

**...provides tapeless transfer of digital information from first to second, remote location by automated, accountable, controlled process**

**...Abstract (Basic):** the signals into a data stream. A first processing system, pref. microprocessor-based, further compresses and stores the data stream, transmitting it later to a **remote** location...

**...A second processing system at the **remote** location, also microprocessor-based, receives, processes and stores (160) the data stream, later transmitting a copy thereof upon receipt of a replay request for the audio /visual signals. The data stream is decoded (170,172,174,176) for further decompression, and converted into analogue form for TV monitor set display...**

**...Abstract (Equivalent):** in a first storage media for subsequent transmission. A transmitting system receives the data stream from the processing system and transmits it to a location **remote** from the processing system...

**...copy of the data stream is later transmitted from such storage media after decompressing the copy of the data stream. A decoder receives the data stream copy, further **decompresses** the data copy and **transforms** it into an analogue signal for transmission to at least one television set for replay. The storage media are random access mass type storage media...**

**...Title Terms:** **REMOTE** ;

**23/3,K/8 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
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010135617 \*\*Image available\*\*

WPI Acc No: 1995-036868/199505

XRPX Acc No: N95-029029

**Electronic transmission of video material - digitising and compressing data at source then transmitting file over telephone network**

Patent Assignee: ABRAHAM C R (ABRA-I); ELLIOT M D (ELLI-I); GOULD K V W (GOUL-I); PORTE M H (PORT-I); GOULD K V (GOUL-I); ELLIOTT M D (ELLI-I)

Inventor: ABRAHAM C R; ELLIOT M D; GOULD K V W; PORTE M H; GOULD K V; ELLIOTT M D

Number of Countries: 021 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9429999	A1	19941222	WO 94US6629	A	19940610	199505 B
AU 9471062	A	19950103	AU 9471062	A	19940610	199521
EP 709009	A1	19960501	EP 94920169	A	19940610	199622
			WO 94US6629	A	19940610	
EP 709009	A4	19960515	EP 94920169	A	19940000	199643
US 5563649	A	19961008	US 9377685	A	19930616	199646

Priority Applications (No Type Date): US 9377685 A 19930616; US 95400475 A 19950308

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9429999	A1	E 68	H04M-011/00	Designated States (National): AU CA JP Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
AU 9471062	A		H04M-011/00	Based on patent WO 9429999
EP 709009	A1	E 1	H04M-011/00	Based on patent WO 9429999
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
US 5563649	A	34	H04M-011/00	Cont of application US 9377685
EP 709009	A4		H04M-011/00	

... digitising and compressing data at source then transmitting file over telephone network .

... Abstract (Basic): The video material transmission method involves playing a video segment from an analogue source and converting it into a video stream at one location. The stream is compressed using real-time compression in order to produce a once-compressed video stream. The video segment is displayed and a portion of it is selected. A portion of the compressed stream corresp. to the selected portion is stored as a video file .  
...

... The file is retrieved and transmitted at a reduced sub-video frame rate through a telephone network . The compressed video stream is received at a second location

... Abstract (Equivalent): storing as a motion video file a portion of the once-compressed motion video stream corresponding to the portion of the motion video segment selected...

...within a fixed period of time determined in response to one or more commands of the first user, retrieving the motion video file ; and  
...

...transmitting at a reduced, subvideo, frame rate through a telephone network from the first geographic location to a second geographic location of the second user, and receiving at the second geographic location, the motion video file .

(  
...Title Terms: NETWORK

?

27/3,K/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06124545 \*\*Image available\*\*  
CARD INFORMATION RETRIEVAL DEVICE

PUB. NO.: 11-066082 [JP 11066082 A]  
PUBLISHED: March 09, 1999 (19990309)  
INVENTOR(s): TOMARU YOSHINARI  
MATSUMOTO TETSUZO  
SENBON KOSEI  
APPLICANT(s): JAPAN RINKU KK  
APPL. NO.: 09-219498 [JP 97219498]  
FILED: August 14, 1997 (19970814)

ABSTRACT

PROBLEM TO BE SOLVED: To add or update name card management informant without troubling plural users sharing information by sharing a database by means of plural registrants and setting information which other registrants register so that they can be retrieved and referred to.

SOLUTION: The...

... to read a name card. Card information which is read is sent to distributed servers 2 through the personal computer 3 and LAN 5 as image information. Pre-processing is executed there and information is sent to a center server 1. The center server 1 respects referring to pre-processed texts which are sent from the plural distributed servers via LAN 5 and original image information corresponding to them for many stages and generates final text data. The center server 1 updates the data bases 6 and 16 in accordance with text data which is finally recognized.

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27/3,K/2 (Item 2 from file: 347)  
DIALOG(R) File 347:JAPIO  
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05870993 \*\*Image available\*\*  
INFORMATION PROCESSING SYSTEM, DEVICE AND ITS CONTROLLING METHOD

PUB. NO.: 10-154093 [JP 10154093 A]  
PUBLISHED: June 09, 1998 (19980609)  
INVENTOR(s): KUROSAWA TAKAHIRO  
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-313489 [JP 96313489]  
FILED: November 25, 1996 (19961125)

...JAPIO KEYWORD:Vertical Magnetic & Photomagnetic Recording )

ABSTRACT

PROBLEM TO BE SOLVED: To set an appropriate referring method of shared data for each information processor and to reduce data traffic between information processors in a cooperative operation...

...SOLUTION: A reference class generation processing program 21 of each client sets a reference class which designates a data updatation timing for

data sharing . A reference request processing program 22 notifies a server of a set reference class together with a data request. A reference request time server side processing program 11 sends requested data to a client and maintains a notified parameter. When data update occurs, an update request time server side processing program 12 and a data updating program 23 update data which is held by a client in a timing that is designated by...

27/3,K/3 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013500021 \*\*Image available\*\*  
WPI Acc No: 2000-671962/200065  
XRPX Acc No: N00-498129

File system data integrity in a single system image environment, involves performing filesync operation to cause server node to update information in file by including file change  
Patent Assignee: COMPAQ COMPUTER CORP (COPQ )  
Inventor: CHOW W W; WALKER B J; ZAFMAN D B  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 6122629 A 20000919 US 9870897 A 19980430 200065 B

Priority Applications (No Type Date): US 9870897 A 19980430

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6122629 A 17 G06F-017/30

File system data integrity in a single system image environment, involves performing filesync operation to cause server node to update information in file by including file change

Abstract (Basic):

... The method involves performing filesync operation to cause a server node to update the information in a file by including file change after asynchronously forwarding file change from the client cache of the first client node to the...  
... For increasing file system data integrity in an environment where file system is shared by a group of computers...  
...Title Terms: IMAGE ;

27/3,K/4 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013070868 \*\*Image available\*\*  
WPI Acc No: 2000-242740/200021  
XRPX Acc No: N00-182847

Audio decoder for reproduction of compressed digital audio signals from optical disk, comprises one DSP for decoding and storing process result, and another DSP for decoding stored process result  
Patent Assignee: HITACHI LTD (HITA )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
JP 2000059232 A 20000225 JP 98226000 A 1998081 200021 B

Priority Applications (No Type Date): JP 98226000 A 19980810

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2000059232 A 14 H03M-007/30

Audio decoder for reproduction of compressed digital audio signals from optical disk, comprises one DSP for decoding and storing process result, and another DSP for decoding stored process result

Abstract (Basic):

... A DSP (8) decodes compression encoded vocal data stream, and stores the result in external memory (11). Another DSP (3) decodes this result and outputs vocal data. The two DSPs share the decoding job.

... The figure is a block diagram of the audio decoder...

Title Terms: AUDIO ;

27/3,K/5 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012612113

WPI Acc No: 1999-418217/199935

Related WPI Acc No: 1998-311781; 2000-037955; 2000-181911; 2000-282763; 2000-655092; 2001-512888; 2002-705195

XRPX Acc No: N99-312208

Automatic telephone directory updation method in client-server architecture for software telephone systems - involves updating data values of shared telephone directory information and broadcasting data to several clients in response to updation

Patent Assignee: DAVOX CORP (DAVO-N)

Inventor: BAYLESS J A; BLACK W B; BRANNICK G L; FISSEL J E; LEE G W; LLOYD L M; MASON L P; MATHIS A L; STEENBERGEN J E; STOLDT M R; WITHERS R W; YOUNG G C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5925101	A	19990720	US 94333058	A	19941101	199935 B
			US 97804283	A	19970221	
			US 9856569	A	19980407	

Priority Applications (No Type Date): US 94333058 A 19941101; US 97804283 A 19970221; US 9856569 A 19980407

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 5925101 A 108 G06F-017/00 Cont of application US 94333058  
Div ex application US 97804283  
Div ex patent US 5754636

Automatic telephone directory updation method in client-server architecture for software telephone systems...

...involves updating data values of shared telephone directory information and broadcasting data to several clients in response to updation

...Abstract (Basic): USE - Email, voice mail, video and facsimile...

27/3,K/6 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012347146 \*\*Image available\*\*  
WPI Acc No: 1999-153253/199913  
XRPX Acc No: N99-110526  
Data item value synchronizing method for client server database system  
Patent Assignee: ORACLE CORP (ORAC-N)  
Inventor: BAUER J A; BODGE A; HUBERMAN S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 5870759 A 19990209 US 96727295 A 19961009 199913 B

Priority Applications (No Type Date): US 96727295 A 19961009

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 5870759 A 27 G06F-015/163

Data item value synchronizing method for client server database system

Abstract (Basic):

... item is identified from current values of the data items in the first collection and the predetermined values of the data items in the prior image collection. Modification is further performed for the modified data item to yield the current value from the corresponding specific value, without requiring current value of...  
... Prior image collection of several data items are generated on a first computer, from the first collection of data items stored in a first database of that computer. Each data item in the prior image collection is assigned with a respective predetermined value. The data item in the first collection is modified so that the current value differs from the...  
...Enables sharing of data in similar database structure among many nodes on computing system, without maintaining continuous connection to single shared data source. Synchronizes data in central database for particular client with data on that client's intermittently connected computer. Updates performed by either client or server are propagated to...

27/3,K/7 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

011518121 \*\*Image available\*\*  
WPI Acc No: 1997-494607/199746  
XRPX Acc No: N97-411771  
Screen common system of client-server system - includes division data and effective area notification units that respectively notifies client terminal of division data on common area and screen data on effective common area  
Patent Assignee: CANON KK (CANO )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week

JP 9231044 A 19970905 JP 9661654 A 19960226 199746 B

Priority Applications (No Type Date): JP 9661654 A 19960226

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9231044	A	8	G06F-003/14	

...Abstract (Basic): A division data notification unit (2) notifies the client terminal of the division data on the divided common area. The screen data on the effective share area are notified by an effective area notification unit (3) to the client terminal...

...ADVANTAGE - Reduces screen data transmitted from server to client terminal. Shortens time from updating of screen area in **server** to updating of display of share area in client terminal, thus improving user efficiency. Enables early updating of display of application window in client terminal thus improving application operation. Display more natural share screen by displaying invalid share area with determining image .

35/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012496353 \*\*Image available\*\*  
WPI Acc No: 1999-302461/199925  
XRPX Acc No: N99-226634

Telecommunications multimedia communications system for use in conjunction with telecommunications network using two multimedia terminals, with codec, coupled to network

Patent Assignee: GEN DATACOMM IND INC (GEDA-N)  
Inventor: BRETON Y; KERR G N W; NAHAS C  
Number of Countries: 019 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
WO 9918728 A1 19990415 WO 98US20706 A 19980929 199925 B

Priority Applications (No Type Date): US 97942675 A 19971002

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
WO 9918728 A1 E 30 H04N-007/10  
Designated States (National): CA  
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Telecommunications multimedia communications system for use in conjunction with telecommunications network using two multimedia terminals, with codec, coupled to network

Abstract (Basic):

... The multipoint multimedia server has several different compression codecs (134), multipoint switch (132), separate audio and video processors (136 and 138) and controller (140). Data streams of different compression standards enter the server and are directed to the appropriate codec. The signals...  
... For providing a method, apparatus and system for handling compressed multimedia communication data so that multimedia equipment using different data compression formats can be interconnected with each other...  
... Converts a data stream compressed with one standard to a data stream compressed with a different method...  
... The drawing shows a high level diagram of a multi-point multimedia server coupled to a node of an ATM network serving several multimedia conferencing sites each utilising a different data compression standard  
...  
... the separate audio and video processors (136 and 138

35/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012445056 \*\*Image available\*\*  
WPI Acc No: 1999-251164/199921  
XRPX Acc No: N99-187774

Data converter for D-VCR - converts transmission data stream into digital interface stream based on compression of data stream along

time axis

Patent Assignee: SONY CORP (SONY )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
JP 11074796 A 19990316 JP 97231943 A 19970828 199921 B

Priority Applications (No Type Date): JP 97231943 A 19970828

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
JP 11074796 A 23 H03M-007/30

... converts transmission data stream into digital interface stream based on compression of data stream along time axis

...Abstract (Basic): transmission data stream. The compression of the data stream is performed along a time axis based on added timing information. The transmission data stream is converted into digital interface stream based on compression of data...

...USE - For digital video cassette recorder...

?

39/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014327106 \*\*Image available\*\*  
WPI Acc No: 2002-147809/200219  
Related WPI Acc No: 2002-048979; 2002-328414; 2003-059482  
XRPX Acc No: N02-112037  
Support system of mobile visual communications to facilitate use of Internet from extended hand-held units using quick server connection application, user validation and full motion display  
Patent Assignee: MTEL LTD (MTEL-N)  
Inventor: CHAN C; CHUNG L K W; HUNG L M; KWOK D T K; LEE K K; LEIF L H Y; TSANG Y S  
Number of Countries: 021 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
WO 200198854 A2 20011227 WO 2001CN1031 A 20010621 200219 B  
CN 1448037 A 20031008 CN 2001814478 A 20010621 200403

Priority Applications (No Type Date): US 2000694643 A 20001023; US 2000212959 P 20000621

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
WO 200198854 A2 E 66 G06F-000/00  
Designated States (National): CN SG  
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
CN 1448037 A H04Q-007/32

Abstract (Basic):  
... and provides specific capabilities to allow the user to access all services available to the desktop user, including the E-mail server (26). A mapping server (46) manages updating of available data from various updating facilities (52,54).  
... 2) a method to display streaming video , read E-mail on a hand-held device...

39/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013948142 \*\*Image available\*\*  
WPI Acc No: 2001-432356/200146  
Related WPI Acc No: 2001-417405; 2001-424992; 2001-464739  
XRPX Acc No: N01-320418  
Video streaming method, involves converting source video signal to streaming digital video file while maintaining substantially same source video parameter  
Patent Assignee: IVIEWIT HOLDINGS INC (IVIE-N); SHIRAJEE Z A (SHIR-I)  
Inventor: BERNSTEIN E I  
Number of Countries: 094 Number of Patents: 004  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
WO 200076220 A1 20001214 WO 2000US15408 A 20000602 200146 B  
AU 200053211 A 20001228 AU 200053211 A 20000602 200146  
EP 1183870 A1 20020306 EP 2000938126 A 20000602 200224  
WO 2000US15408 A 20000602 200224  
JP 2003501968 W 20030114 WO 2000US15408 A 20000602 200306

JP 2001502364 A 20000602

Priority Applications (No Type Date): US 99169559 P 19991208; US 99137297 P 19990603; US 99155404 P 19990922

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200076220 A1 E 35 H04N-007/173

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200053211 A H04N-007/173 Based on patent WO 200076220

EP 1183870 A1 E H04N-007/173 Based on patent WO 200076220

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SI

JP 2003501968 W 3.7 H04N-007/173 Based on patent WO 200076220

Abstract (Basic):

... source video signal is converted to a streaming digital video file while maintaining substantially the same source video parameter. The streaming digital video file is uploaded to a network server. The viewing frame size of a display screen is expanded to a full screen display mode.

... The figure shows a block diagram of a streaming video file providing system...

?

File 2:INSPEC 1969-2004/Jan W4  
(c) 2004 Institution of Electrical Engineers  
File 6:NTIS 1964-2004/Feb W2  
(c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 8:Ei Compendex(R) 1970-2004/Jan W4  
(c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Feb W1  
(c) 2004 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2004/Jan  
(c) 2004 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2004/Feb W1  
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File 94:JICST-EPlus 1985-2004/Jan W4  
(c) 2004 Japan Science and Tech Corp (JST)  
File 95:TEME-Technology & Management 1989-2004/Jan W3  
(c) 2004 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jan  
(c) 2004 The HW Wilson Co.  
File 144:Pascal 1973-2004/Jan W4  
(c) 2004 INIST/CNRS  
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 603:Newspaper Abstracts 1984-1988  
(c) 2001 ProQuest Info&Learning  
File 483:Newspaper Abs Daily 1986-2004/Feb 05  
(c) 2004 ProQuest Info&Learning

? ds

Set	Items	Description
S1	4988923	(NETWORK? ? OR REMOTE? OR ONLINE OR SERVER? ? OR CLIENT? ? OR DISTRIBUTED() SYSTEM? ? OR LAN? ? OR WAN? ? OR (LOCAL OR WI-DE) (W) AREA(W) NETWORK? OR NET OR WEB OR WWW OR INTERNET)
S2	10195555	FILE OR DATA OR INFO OR INFORMATION OR RECORD?
S3	43191	S2 (3N) (SHARE? ? OR SHARING)
S4	3334506	VIDEO? ? OR AUDIO OR MULTIMEDIA OR MULTI() MEDIA OR MOVIE? ? OR MUSIC? OR SONG? ? OR CLIP OR RECORDING OR AUDIOVISUAL OR - AV OR IMAGE?
S5	452150	STREAM?
S6	823900	COMPRESS? OR DECOMPRESS?
S7	939	(UPLOAD? OR UPDAT? OR SYNCHRONI? OR COORDINAT?) (3N) SERVER
S8	581732	MEDSTREAM OR XING OR VIVO OR MED()X OR PINNACLE() STUDIO OR TMPGENC
S9	4441	S3 AND S4
S10	187	S7 AND S4
S11	381	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD? OR CODEC OR ENCOD?) (5N) S5 (5N) S6
S12	0	S9 AND S10 AND S11
S13	1	(S9 AND S10) OR (S10 AND S11) OR (S9 AND S11)
S14	129	S11 AND S4 (5N) S2
S15	50	S14 AND S1
S16	27	RD S15 (unique items)
S17	7	S16 NOT PY>1999
S18	7	S17 NOT S13
S19	1991	(COMPRESS? OR DECOMPRESS? OR CVID OR RGB OR SMC OR RLE OR - IV OR CRAM OR IV31 OR IV32 OR IV40 OR IV41 OR IV50 OR IV51 OR CVID OR CRAM) (3N) (WMV OR WMF OR WMA OR WINDOW?()MEDIA() (VIDEO OR FORMAT OR AUDIO) OR ASF OR (ADVANCE? OR ACTIVE?) (...)

S20 175 (CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR-  
ANSLAT? OR ALTER OR TRANSCOD? OR CODEC OR ENCOD?) (5N) S19  
S21 51 S20 AND S4(3N) S2  
S22 0 S21 AND S3  
S23 34 RD S21 (unique items)  
S24 21 S23 NOT PY>1999  
S25 21 S24 NOT (S13 OR S18)  
S26 0 AU=(LIWERANT, G? OR LIWERANT G?)  
S27 326 AU=(DODGE, C? OR DODGE C?)  
S28 8 AU=(BOISSIERE, G? OR BOISSIERE G?)  
S29 0 CO=VIDEOSHARE  
S30 334 (S27 OR S28)  
S31 0 S30 AND (S20 OR S7 OR S3)

13/3,K/1 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06347961

Lucent to update video MCU server  
HONG KONG: LUCENT PREPARES FOR ISDN PRICE CUT  
South China Morning Post (XKT) 06 Aug 1996 TP p.3  
Language: ENGLISH

Lucent to update video MCU server

Lucent Technologies has updated its MCU video -conferencing unit for attachment to PBX telephone system in preparation for an expected price cut in ISDN by Hongkong Telecom. The unit now includes options for data sharing via a video link, the expansion to include four on-screen callers and dozens of simultaneous voice callers. \*...  
?

18/3,K/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04440127 E.I. No: EIP96073239405  
**Title: Stream conversion to support interactive video playout**  
Author: Chen, Ming-Syan; Kandlur, Dilip D.  
Corporate Source: Natl Taiwan Univ, Taipei, Taiwan  
Source: IEEE Multimedia v 3 n 2 Summer 1996. 8p  
Publication Year: 1996  
CODEN: IEMUE4 ISSN: 1070-986X  
Language: English

**Abstract:** Interactive playout of MPEG (Motion Picture Experts Group)-encoded video entails new ways of handling data . Transforming the standard MPEG stream to a local form at the video player enables efficient interactive playout even when available buffer space is constrained. A stream conversion scheme that encodes P frames as I frames after decompression and playout of each P frame eliminates extra memory needs, making P-I conversion a cost-effective solution. Based on its cost-effectiveness, ease of implementation and ability to provide high-quality images, P-I conversion is a viable approach to supporting interactive MPEG video playout in a client station. 11 Refs.

**Descriptors:** Data communication systems; Buffer storage; Standards; Telecommunication services; Image compression; Cost effectiveness; Data handling; Interactive computer graphics; Video signal processing; Image quality

18/3,K/2 (Item 2 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04333919 E.I. No: EIP96013008629  
**Title: Scalable compression based on tree structured vector quantization of perceptually weighted block, lapped, and wavelet transforms**  
Author: Chaddha, Navin; Chou, Philip A.; Meng, Teresa H.Y.  
Corporate Source: Stanford Univ, Stanford, CA, USA  
Conference Title: Proceedings of the 1995 IEEE International Conference on Image Processing. Part 3 (of 3)  
Conference Location: Washington, DC, USA Conference Date: 19951023-19951026  
E.I. Conference No.: 44184  
Source: IEEE International Conference on Image Processing v 3 1995. IEEE, Los Alamitos, CA, USA, 95CB35819. p 89-92  
Publication Year: 1995  
CODEN: 85QTAW  
Language: English

...**Abstract:** embedded bit-stream produced is prioritized with bits arranged in order of visual importance. The algorithm also allows easy joint-source channel coding on heterogenous networks . The subjective quality of compressed images improves significantly by the use of perceptual distortion measures. (Author abstract) 8 Refs.

**Descriptors:** Image compression; Vector quantization; Trees (mathematics); Algorithms; Wavelet transforms; Decoding; Image quality; Image coding; Communication channels (information theory); Telecommunication networks

**Identifiers:** Scalable compression ; Tree structured vector quantization; Weighted block transforms ; Lapped transforms ; Bit streams ; Bandwidth

scalability

18/3,K/3 (Item 3 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04241465 E.I. No: EIP95092839892  
**Title: Downloading and stream conversion: supporting interactive playout of videos in a client station**  
Author: Chen, Ming-Syan; Kandlur, Dilip D.  
Corporate Source: Thomas J. Watson Research Cent, Yorktown Heights, NY, USA  
Conference Title: Proceedings of the International Conference on Multimedia Computing and Systems  
Conference Location: Washington, DC, USA Conference Date: 19950515-19950518  
E.I. Conference No.: 43487  
Source: International Conference on Multimedia Computing and Systems-Proceedings 1995. IEEE, Los Alamitos, CA, USA, 95TH8066. p 73-80  
Publication Year: 1995  
CODEN: 002114  
Language: English

**Title: Downloading and stream conversion: supporting interactive playout of videos in a client station**

...Abstract: at the player device, which then enables the device to support interactive playout even when the buffer space available is constrained. Specifically, we devise a **stream** conversion scheme that encodes P frames as I frames after the **decompression** and playout of each P frame. Such a scenario of transforming a P frame to an I frame is termed P-I conversion. Note that...

...able to provide interactive playout with high visual quality, and is therefore deemed a viable approach to supporting interactive playout for MPEG video in a **client** station. (Author abstract) 12 Refs.

Descriptors: Video signal processing; Image coding; Interactive computer systems; Buffer storage; **Image** compression; Bandwidth; Resource allocation; Videocassette **recorders**; Decoding; Cost effectiveness

Identifiers: Stream conversion; **Client** station; MPEG video stream; Video on demand system; PI conversion; Downloading; Interactive playout

18/3,K/4 (Item 4 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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03787349 E.I. No: EIP94011183051  
**Title: Real-time and compressed video techniques for multi-media tactical FDDI networks**  
Author: Bergman, L.A.; Monacos, S.; Halloran, F.; Galanis, J.  
Corporate Source: California Inst of Technology, Pasadena, CA, USA  
Conference Title: Proceedings of the 12th Annual IEEE Military Communications Conference  
Conference Location: Boston, MA, USA Conference Date: 19931012-19931014  
E.I. Conference No.: 19678  
Source: Proceedings - IEEE Military Communications Conference v 3 1993. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA, (IEEE cat n 93CH3260-7). p 864-868  
Publication Year: 1993

CODEN: PMICET ISBN: 0-7803-0953-7  
Language: English

Title: Real-time and compressed video techniques for multi-media tactical FDDI networks

Abstract: The rapid escalation in bandwidth of fiber optic network technologies, such as FDDI and SONET/ATM, has made viable a number of real-time and compressed digital video transmission methods for various workstation multi-media applications. This paper will examine two specific packet oriented approaches that offer compressed and uncompressed encoding and may be used with synchronous stream channels and bursty asynchronous packet channels. A comparison of the performance merits of each is made as well as possible applications in the tactical battlefield ...

Descriptors: Fiber optic networks ; Video signal processing; Computer workstations; Real time systems; Packet switching; Communication channels (information theory); Signal encoding; Telecommunication traffic; Buffer circuits; Channel capacity

Identifiers: Real time video techniques; Compressed video techniques; Fiber distributed data interface; Multi media tactical applications; Synchronous stream channels; Bursty asynchronous packet channels; Asynchronous transfer modes

18/3,K/5 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

03052836 JICST ACCESSION NUMBER: 96A1004011 FILE SEGMENT: JICST-E  
A Consideration of Image Processing for Remote Inspection Technology  
about Space Craft.  
SHIMIZU MOTOMITSU (1); OTA MUTSUMI (1); KISHI KOICHI (1); KATO HIRONORI (1)  
(1) NEC Corp.  
Uchu Kagaku Gijutsu Rengo Koenkai Koenshu(Proceedings of the Space Sciences  
and Technology Conference), 1996, VOL.40th, PAGE.437-438, FIG.2  
JOURNAL NUMBER: S0277ACS  
UNIVERSAL DECIMAL CLASSIFICATION: 629.7.08 681.3:621.397.3  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Conference Proceeding  
ARTICLE TYPE: Short Communication  
MEDIA TYPE: Printed Publication

A Consideration of Image Processing for Remote Inspection Technology  
about Space Craft.

ABSTRACT: Concerning about the remote control of space craft, several image data need to be transmitted to the ground efficiently. At the current system, for the efficient transmission of image data, the image data compression technique will be used. At that case, a image encoder handles only one image source at a time. This paper reports the image processing...

...The system is that one MPEG-2 Encoder in the space craft handles 4 MPEG-1 SIF data and transmit them as the MPEG-2 compressed bit stream. At the Ground System, the Converter convert them to 4 MPEG-1 bitstream data for user to be able to decode them by using MPEG-1 decoder. (author abst.)

...DESCRIPTORS: remote control

18/3,K/6 (Item 1 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

06177876

Sigma Designs debuts RealMagic Producer  
SINGAPORE: SIGMA DESIGN'S ENCODING BOARD  
IT Singapore (XBC) Jun 1995 p.6-7  
Language: ENGLISH

...the RealMagic Producers: 1. Contains a C-Cube Microsystems' CL-4000 from Sigma. 2. Can cash in on the AVI Editable MPEG, the new MPEG file format. With AVI Editable MPEG, video editing (frame-accurate) can be done using every AVI compatible editing and authoring software applications (off-the-shelf). 3. Offers hardware assisted video compression which can quicken the processes of video editing, animation and titling. 4. A completely compressed MPEG-1 data stream can be created by processing the edited video. Which can be added into a multimedia presentation or distributed via a CD-ROM or a network. Distributed in Singapore by Convergent Systems (S) Pte Ltd, the retail price of the RealMagic Producer is S\$ 7,100.

18/3,K/7 (Item 1 from file: 483)  
DIALOG(R) File 483:Newspaper Abs Daily  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

05621910

**Ear Training: A Digital Music Primer**  
Richtel, Matt; Robinson, Sara  
New York Times, Sec C, p 6, col 1  
Jul 19, 1999  
ISSN: 0362-4331      NEWSPAPER CODE: NY  
DOCUMENT TYPE: News; Newspaper  
LANGUAGE: English      RECORD TYPE: ABSTRACT  
LENGTH: Long (18+ col inches)

**ABSTRACT:** As recently as two years ago, the recording business relied on a stable of technologies that had evolved from Thomas Edison's scratchy rolls through cut acetate, pressed vinyl records and magnetic tape to the compact disk -- all without serious threats to the major labels' bottom lines. Then, on college campuses, students with fast Internet connections discovered that a sound compression technology called MP3 packed virtually perfect copies of music into a file small enough to distribute rapidly on line. Suddenly the device that recorded the music was also the machine that stored it and the technology that distributed it. "Streaming" audio uses software known as a CODEC (short for compressor / decompressor) to pack music into a file small enough to be sent rapidly over the Internet. The file can be saved on the listener's computer. More often, the music is listened to as it arrives, or "streams" from a server computer. RealAudio is the most popular streaming format. Streaming audio is not CD quality, but it is popular for on-line radio-type programming by...

...tenth its original size without changing the sound. This means it uses less space on a disk and takes less time to send over the Internet. The most popular CODEC's are MP3, a public-domain format, and proprietary formats from Microsoft, Real Networks, Liquid Audio and Apple Computer.

...DESCRIPTORS: Musical recordings ;  
?

25/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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6452096 INSPEC Abstract Number: B2000-02-6135C-026, C2000-02-5260D-013

Title: A study on camera work detection from MPEG-2 encoded data

Author(s): Yang, Y.; Nakano, S.; Dosho, M.

Author Affiliation: Toyama Prefectural Univ., Japan

Conference Title: Joint Conference on Intelligent Systems 1999 (JCIS'98)

Part vol.4 p.246-9 vol.4

Publisher: Assoc. for Intell. Machinery, USA

Publication Date: 1998 Country of Publication: USA 4 vol. 1921 pp.

ISBN: 0 9643456 7 6 Material Identity Number: XX-1999-02893

Conference Title: Proceedings of 6th International Conference on Fuzzy Theory and Technology

Conference Sponsor: Assoc. for Intell. Machinery; Machine Intell. & Fuzzy Logic Lab.; Elsevier Publishing Co.; Inf. Sci. Journal; US Army Res. Office; Lab. for Intell. & Nonlinear Control; Duke Univ

Conference Date: 23-28 Oct. 1998 Conference Location: Research Triangle Park, NC, USA

Language: English

Subfile: B C

Copyright 1999, IEE

Abstract: This paper proposes a new method for directly detecting camera work from MPEG-2 video encoded data. To handle video sequences more easily, structured video is proposed, and the types of camera work and scene change are used to index the video contents in the structured video. According to the characteristics of MPEG - 2 compression standards, the encoded video data is analyzed using the proposed method which is based on motion vectors. The major camera operations, including panning, tilting and zooming can be detected from MPEG-2 encoded video data, and high detection rates above 80% are achieved. Experimental results confirm the effectiveness of the method.

25/3,K/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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6360217 INSPEC Abstract Number: B1999-11-6135C-014, C1999-11-5260D-009

Title: Low-cost telecine detection for real-time video coding

Author(s): Armitano, R.

Author Affiliation: Zapex Technol. Inc., Mountain View, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)

vol.3528 p.261-8

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1999 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1999)3528L:261:CTDR;1-4

Material Identity Number: C574-1999-085

U.S. Copyright Clearance Center Code: 0277-786X/99/\$10.00

Conference Title: Multimedia Systems and Applications

Conference Sponsor: SPIE

Conference Date: 2-4 Nov. 1998 Conference Location: Boston, MA, USA

Language: English

Subfile: B C

Copyright 1999, IEE

...Abstract: duplicate video fields to convert from film's 24 frames per

second (fps), to NTSC's 29.97 fps. This redundancy is exploited in video-compression algorithms such as MPEG - 2 . Instead of encoding the repeated field, the compression algorithm sets a flag, indicating a repeated field, minimizing the redundant information that is encoded. Using the inverse-telecine algorithm to encode film-source video preserves information integrity with a ten-percent bitrate reduction. Detection of the telecine 3-2 pulldown pattern is achieved using field differencing, where repeated fields are detected...

25/3,K/3 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6301989 INSPEC Abstract Number: B1999-09-6135C-026, C1999-09-1250M-010  
Title: Scene change detection in MPEG-1 video stream using macroblock information  
Author(s): Youngin Ihm; Jongho Nang  
Journal: Journal of KISS(A) (Computer Systems and Theory) vol.26, no.4  
p.527-38  
Publisher: Korea Inf. Sci. Soc,  
Publication Date: April 1999 Country of Publication: South Korea  
CODEN: CKNOF2 ISSN: 1226-2315  
SICI: 1226-2315(199904)26:4L.527:SCDM;1-S  
Material Identity Number: E345-1999-007  
Language: Korean  
Subfile: B C  
Copyright 1999, IEE

Title: Scene change detection in MPEG-1 video stream using macroblock information

Abstract: In order to develop a video database for a multimedia application based on video data , the video data should be divided into separate video clips with respect to its contents. In this paper we propose and implement a new technique for automatically detecting scene changes in a video stream compressed in MPEG - 1 format. In the proposed method, the type of each macroblock in a B frame is compared with the type of corresponding macroblock of the previous...

...frames and P-frames based on the information in the adjacent B-frame, it can detect changing points more accurately. Several experiments using news and movie video data show that the accuracy of the proposed method could be over 95%. The proposed scene change detection scheme can be used to build a digital...

25/3,K/4 (Item 4 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6154329 INSPEC Abstract Number: B1999-03-6135C-023, C1999-03-6130B-037  
Title: Making faces [facial animation]  
Author(s): Guenter, B.; Grimm, C.; Wood, D.; Malvar, H.; Pighin, F.  
Author Affiliation: Microsoft Corp., Redmond, WA, USA  
Conference Title: Computer Graphics. Proceedings. SIGGRAPH 98 Conference  
Proceedings p.55-66  
Publisher: ACM, New York, NY, USA  
Publication Date: 1998 Country of Publication: USA 472 pp.  
ISBN: 0 89791 999 8 Material Identity Number: XX-1998-02133  
U.S. Copyright Clearance Center Code: 0 89791 999 8/98/007.\$5.00

Conference Title: Proceedings of SIGGRAPH 98: 25th International Conference on Computer Graphics and Interactive Techniques  
Conference Sponsor: ACM  
Conference Date: 19-24 July 1998 Conference Location: Orlando, FL, USA  
Language: English  
Subfile: B C  
Copyright 1999, IEE

...Abstract: looks very much like the original live performance. Separating the capture of the geometry from the texture images eliminates much of the variance in the **image data** due to motion, which increases compression ratios. Although the primary emphasis of our work is not compression, we have investigated the use of a novel method to compress the geometric data based on principal components analysis. The texture sequence is **compressed** using an **MPEG4** video **codec**. Animations reconstructed from 512\*512 pixel textures look good at data rates as low as 240 Kbits per second.

...Identifiers: **image data** ;

25/3,K/5 (Item 5 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5998438 INSPEC Abstract Number: B9809-6430H-012  
**Title: Development of MPEG camera**  
Author(s): Kurashige, T.; Shiokawa, J.; Chiba, H.; Yamamoto, N.; Kitade, T.; Tarumizu, H.; Kami, H.; Imai, T.  
Author Affiliation: Hitachi Video & Inf. Syst. Co. Ltd., Kanagawa, Japan  
Conference Title: ISCE '97. Proceedings of 1997 IEEE International Symposium on Consumer Electronics (Cat. No.97TH8348) p.218-21  
Publisher: IEEE, New York, NY, USA  
Publication Date: 1997 Country of Publication: USA xxii+312 pp.  
ISBN: 0 7803 4371 9 Material Identity Number: XX98-00464  
U.S. Copyright Clearance Center Code: 0 7803 4371 9/97/\$10.00  
Conference Title: ISCE '97. Proceedings of 1997 IEEE International Symposium on Consumer Electronics  
Conference Sponsor: IEEE  
Conference Date: 2-4 Dec. 1997 Conference Location: Singapore  
Language: English  
Subfile: B  
Copyright 1998, IEE

Abstract: We have developed a handy digital camera to **record** MPEG-1 **video** and JPEG still photo. The newly developed camera signal processing LSI and real-time **MPEG - 1** **codec** LSI **compress** and decompress images, and a RISC MPU, SH-3, does MPEG-1 audio compression and decompression. We adopt PC card type HDD to **record** compressed **image** and **audio** instead of tape media for easy file handling and high adaptability with PC. Users are able to arrange, retrieve and playback files on the camera...

25/3,K/6 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5918938 INSPEC Abstract Number: B9806-7260-121  
**Title: Multimedia displays for super high definition (SHD) images**  
Author(s): Ono, S.  
Author Affiliation: NTT Opt. Network Syst. Labs., Yokosuka, Japan

Conference Title: Proceedings of Fifteenth International Display Research Conference. Asia Display '95 p.227-30  
Publisher: Inst. Telev. Eng. Japan & SID, Tokyo, Japan & Santa Ana, CA, USA  
Publication Date: 1995 Country of Publication: USA xxvi+981 pp.  
Material Identity Number: XX95-01936  
Conference Title: Proceedings of 15th International Display Research Conference  
Conference Sponsor: Inst. Telev. Eng. Japan; SID  
Conference Date: 16-18 Oct. 1995 Conference Location: Hamamatsu, Japan  
Language: English  
Subfile: B  
Copyright 1998, IEE

...Abstract: system with the intent of integrating media to encompass all existing media without any distinction between still and moving images. This paper describes JPEG and **MPEG2** as **compression encoding** methods required for the efficient transport and storage of super high definition images with their vast amounts of data, and relates the results of investigations on their characteristics. While the characteristics of such encoding algorithms depends on the nature of the **image data**, using enhanced **MPEG2** algorithms on super high definition images can compress a 6 Gbps original to 150 Mbps with nearly no loss in quality. We...

25/3,K/7 (Item 7 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5305975 INSPEC Abstract Number: B9608-6140C-153, C9608-5260B-105  
**Title: Perspective for super-high definition image systems**  
Author(s): Ono, S.; Suzuki, J.  
Journal: IEEE Communications Magazine vol.34, no.6 p.114-18  
Publisher: IEEE,  
Publication Date: June 1996 Country of Publication: USA  
CODEN: ICOMD9 ISSN: 0163-6804  
SICI: 0163-6804(199606)34:6L.114:PSHD;1-#  
Material Identity Number: I318-96006  
U.S. Copyright Clearance Center Code: 0163-6804/96/\$05.00  
Language: English  
Subfile: B C  
Copyright 1996, IEE

...Abstract: high-definition image system with the aim of integrating all existing media without any distinction between still and moving images. This article describes JPEG and **MPEG - 2** as **compression encoding** methods required for the efficient transport and storage of SHD images with their vast amounts of data, and relates the results of investigations of their characteristics. While the characteristics of such encoding algorithms depend on the nature of the **image data**, using enhanced **MPEG-2** algorithms on SHD images can compress a 6 Gb/s original to 150 Mb/s with nearly no loss in quality...

25/3,K/8 (Item 8 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5080921 INSPEC Abstract Number: B9511-6210R-054, C9511-6150N-141  
**Title: Video-on-demand: experience with protocols and their implementation**  
Author(s): Mourad, M.M.; Tantawy, A.N.

Author Affiliation: IBM Thomas J. Watson Res. Center, Yorktown Heights, NY, USA

Conference Title: Proceedings of the Fifth IEEE Computer Society Workshop on Future Trends of Distributed Computing Systems (Cat. No.95TB8106) p. 446-51

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA  
Publication Date: 1995 Country of Publication: USA xi+531 pp.

ISBN: 0 8186 7125 4

U.S. Copyright Clearance Center Code: 0 8186 7125 4/95/\$04.00

Conference Title: Proceedings of the Fifth IEEE Computer Society Workshop on Future Trends of Distributed Computing Systems

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed Process.; IFIP WG 10.4 on Dependable Comput.; Korea Inf. Soc. Soc. (KISS); Electron. & Telecommun. Res. Inst. (ETRI) Korea; Korea Res. Found.; Samsung Data Syst

Conference Date: 28-30 Aug. 1995 Conference Location: Cheju Island, South Korea

Language: English

Subfile: B C

Copyright 1995, IEE

Abstract: This paper summarizes some observations made during our research project aiming at investigating the practical problems encountered during the implementation of interactive multimedia information systems. The prototype deals with digitally compressed information encoded in MPEG - 2 formats. We have opted for the use of a set of standard protocols. In this paper we give a brief description and critique of these...

...Identifiers: interactive multimedia information systems...

25/3,K/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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4938401 INSPEC Abstract Number: B9506-6220-003, C9506-5135-007

Title: Architecture and VLSI implementation of the MPEG-2:MP@ML video decoding process

Author(s): Stojancic, M.M.; Ngai, C.

Author Affiliation: IBM Corp., Endicott, NY, USA

Journal: SMPTE Journal vol.104, no.2 p.62-72

Publication Date: Feb. 1995 Country of Publication: USA

CODEN: SMPJDF ISSN: 0036-1682

Language: English

Subfile: B C

Copyright 1995, IEE

Abstract: This paper describes a recently developed silicon component that efficiently implements real-time decompression of an MPEG - 2 encoded video data stream. The chip has been developed by IBM and is fully compliant with the MPEG-2 draft standard at MP@ML (main profile at main...

...Identifiers: MPEG-2 encoded video data stream...

25/3,K/10 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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04608659 E.I. No: EIP97013502546

**Title:** Bayesian approach to error concealment in encoded video streams  
**Author:** Salama, Paul; Shroff, Ness; Delp, Edward J.  
**Corporate Source:** Purdue Univ, West Lafayette, IN, USA  
**Conference Title:** Proceedings of the 1996 IEEE International Conference on Image Processing, ICIP'96. Part 2 (of 3)  
**Conference Location:** Lausanne, Switz      **Conference Date:** 19960916-19960919  
**E.I. Conference No.:** 45905  
**Source:** IEEE International Conference on Image Processing v 2 1996. IEEE, Los Alamitos, CA, USA, 96CH35919. p 49-52  
**Publication Year:** 1996  
**CODEN:** 85QTAW  
**Language:** English

...Abstract: impact of these errors is minimized. In this paper we describe a Bayesian approach to conceal these errors. Assuming that the digital video has been **encoded** using the **MPEG1** or **MPEG2** compression scheme, each frame is modeled as a Markov Random Field. A maximum a posteriori estimate of the missing macroblocks and motion vectors is described based...

**Descriptors:** Image communication systems; Image coding; Asynchronous transfer mode; Communication channels ( **information theory**); Error compensation; Image reconstruction; Image compression; Block codes; Mathematical models; Digital communication systems

25/3,K/11      (Item 2 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04507966    E.I. No: EIP96093340886  
**Title:** MPEG video compositing in the compressed domain  
**Author:** Noguchi, Yoshihiro; Messerschmitt, David G.; Chang, Shih-Fu  
**Corporate Source:** Asahi Chemical Industry Co, Ltd, Kanagawa, Jpn  
**Conference Title:** Proceedings of the 1996 IEEE International Symposium on Circuits and Systems, ISCAS. Part 2 (of 4)  
**Conference Location:** Atlanta, GA, USA      **Conference Date:** 19960512-19960515  
**E.I. Conference No.:** 45321  
**Source:** Circuits and Systems Connecting the World Proceedings - IEEE International Symposium on Circuits and Systems v 2 1996. IEEE, Piscataway, NJ, USA, 96CB35876. p 596-599  
**Publication Year:** 1996  
**CODEN:** PICSDI    **ISSN:** 0271-4310  
**Language:** English

...Abstract: compositing MPEG video directly in the DCT domain, compared to the straightforward spatial domain approach. In this paper, we propose a new compositing algorithm for **MPEG1** compressed video which converts compressed **MPEG1** video to the DCT domain and enables video compositing in the DCT compressed domain. Typical compositing operations include overlapping, scaling, translation, filtering, etc. Simulations using...

**Descriptors:** Image compression; Image coding; **Video** signal processing; Voice/ **data** communication systems; Teleconferencing; Computational complexity; Data processing; Algorithms; Computer simulation  
**Identifiers:** Video compositing; Video sources; Advanced multimedia terminals; Multi point **video** conferencing; Uncompressed **data** formats; Picture in picture compositing

25/3,K/12      (Item 3 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)  
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04299156 E.I. No: EIP95122945001  
Title: Scene change detection algorithm for MPEG compressed video sequences  
Author: Tse, K.; Wei, J.; Panchanathan, S.  
Corporate Source: Univ of Ottawa, Ottawa, Ont, Can  
Conference Title: Proceedings of the 1995 Canadian Conference on Electrical and Computer Engineering. Part 2 (of 2)  
Conference Location: Montreal, Que, Can Conference Date: 19950905-19950908  
E.I. Conference No.: 44015  
Source: Canadian Conference on Electrical and Computer Engineering v 2 1995. IEEE, Piscataway, NJ, USA, 95TH8103. p 827-830  
Publication Year: 1995  
CODEN: CCCEFV ISSN: 0840-7789  
Language: English

...Abstract: algorithms are computationally complex and are not very robust in detecting gradual scene changes. In this paper, we propose an efficient technique for detecting scene **changes** in the **MPEG - 2 compressed** domain. The proposed algorithm has the advantage of fast scene change detection. In addition, this algorithm has the potential to detect gradual scene changes. (Author...)

Descriptors: Image compression; Algorithms; Information retrieval systems; Computational complexity; Indexing (of information); Database systems; Visual communication; Image segmentation; Image coding; Graph theory

25/3,K/13 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

03759838 Genuine Article#: QD356 No. References: 11  
Title: ARCHITECTURE AND VLSI IMPLEMENTATION OF THE MPEG-2 - AT-ML VIDEO DECODING PROCESS .  
Author(s): STOJANCIC MM; NGAI C  
Corporate Source: IBM MICROELECTR/ENDICOTT//NY/13760  
Journal: SMPTE JOURNAL-SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS, 1995, V104, N2 (FEB), P62-72  
ISSN: 0036-1682  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Abstract: This paper describes a recently developed silicon component that efficiently implements real-time **decompression** of an **MPEG - 2 encoded** video data stream. The chip has been developed by IBM Corp. and is fully compliant with the MPEG-2 Draft Standard at MP@ML (Main Profile at...).

25/3,K/14 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c) 2004 Japan Science and Tech Corp(JST). All rts. reserv.

03412067 JICST ACCESSION NUMBER: 97A0963395 FILE SEGMENT: JICST-E Interactive Visual Information System Using High Performance Media Server. TOGO TSUTOMU (1); NISHIKAWA KATSUHIKO (1)  
(1) Fujitsu Lab. Ltd.

Eizo Joho Media Gakkai Gijutsu Hokoku, 1997, VOL.21,NO.55(NIM97 75-81),  
PAGE.19-23, FIG.6, TBL.1, REF.1  
JOURNAL NUMBER: S0209ABW ISSN NO: 1342-6893  
UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

...ABSTRACT: a visual information system for an office environment using a high performance media server, the Fujitsu Media Server, is described. In this system, videos are **encoded** by **MPEG - 2 compression** method, stored in the server, and transmitted on demand. To apply such a system in IP based networks, we have developed a new retransmission protocol with which the continuous **data** such as **video** can be transmitted. Using this system, we have been evaluating a visual information system suitable for an office environment. (author abst.)

25/3,K/15 (Item 2 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
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02397966 JICST ACCESSION NUMBER: 95A0690883 FILE SEGMENT: JICST-E  
**Super High Definition(SHD) Images.**  
ONO S (1)  
(1) NTT, Yokosuka-shi, JPN  
Joho Shori Gakkai Shinpojiumu Ronbunshu, 1995, VOL.95,NO.4, PAGE.41-44,  
FIG.4, REF.5  
JOURNAL NUMBER: Y0978BAT  
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 621.394  
LANGUAGE: English COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Conference Proceeding  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

...ABSTRACT: system with the intent of integrating media to encompass all existing media without any distinction between still and moving images. This paper describes JPEG and **MPEG2** as **compression encoding** methods required for the efficient transport and storage of super high definition images with their vast amounts of data, and relates the results of investigations on their characteristics. While the characteristics of such encoding algorithms depends on the nature of the **image** data , using enhanced MPEG2 algorithms on super high definition images can compress a 6Gbps original to 150Mbps with nearly no loss in quality. We will also...

25/3,K/16 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01365044 19991105136  
**Statistical multiplexing using MPEG-2 video encoders**  
(Statistisches Multiplexing mit MPEG-2-Videocodierern)  
Boeroeczky, L; Ngai, AY; Westermann, EF  
IBM, Endicott, USA  
IBM Journal of Research and Development, v43, n4, pp511-520, 1999  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0018-8646

**ABSTRACT:**

This paper presents a system for statistical multiplexing of several compressed video programs using MPEG - 2 -compatible video encoders . The authors propose a new external joint rate control algorithm to dynamically distribute the channel bandwidth among the program encoders such that the video quality...

**DESCRIPTORS:** IMAGE PROCESSING; IMAGE COMPRESSION; VIDEO CODING; MULTIPLEXING; DATA SIGNALLING RATE; BANDWIDTH...

25/3,K/17 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01234186 I98090789300  
**Hierarchical scene change detection in an MPEG - 2 compressed video sequence**  
Taehwan Shin; Jae-Gon Kim; Hankyu Lee; Jinwoong Kim  
Kwangju Inst. of Sci. & Technol., South Korea  
ISCAS '98. Proceedings of the 1998 IEEE International Symposium on Circuits and Systems (Cat. No.98CH36187), 31 May-3 June 1998, Monterey, CA, USA1998  
Document type: Conference paper Language: English  
Record type: Abstract  
ISBN: 0-7803-4455-3

**Hierarchical scene change detection in an MPEG - 2 compressed video sequence**  
**DESCRIPTORS:** DATA COMPRESSION; IMAGE SEGMENTATION; IMAGE SEQUENCES; STATISTICAL CHARACTERISTICS; B MODE IMAGES; MOTION ESTIMATION; VIDEO CODING

25/3,K/18 (Item 3 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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00985508 E96056746062  
**TM3-2 Invited: Multimedia displays for Super High Definition (SHD) images**  
(TM3-2 Auf Einladung: Multimedia-Displays fuer superhochaufloesende (SHD) Bilder)  
Ono, S  
NTT Optical Network Syst. Labs., Yokosuka, J  
Asia Display 95, Proc. of the 15th Internat. Display Res. Conf., Hamamatsu, J, Oct 16-18, 1995  
Document type: Conference paper Language: English  
Record type: Abstract

**ABSTRACT:**

...system with the intent of integrating media to encompass all existing media without any distinction between still and moving images. This paper describes JPEG and MPEG2 as compression encoding methods required for the efficient transport and storage of super high definition images with their vast amounts of data, and relates the results of investigations on their characteristics. While the characteristics of such encoding algorithms depends on the nature of the image data , using enhanced MPEG2 algorithms on super high definition images can compress a 6 Gbps original to 150 Mbps with nearly no loss in quality. The...

**DESCRIPTORS:** HIGH DEFINITION TV; IMAGE RESOLUTION; DATA COMPRESSION; IMAGE CODING; INTERNATIONAL STANDARDIZATION; SYSTEM DESCRIPTION; DIGITAL COMMUNICATION; ALGORITHM; QUANTISATION; S N RATIO; INTERNATIONAL STANDARD

ORGANIZATION; COMPUTERISED SIGNAL PROCESSING

25/3,K/19 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
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14628102 PASCAL No.: 00-0298703  
Sudden scene change detection in MPEG-2 video sequences  
1999 IEEE 3rd workshop on multimedia signal processing : Copenhagen,  
13-15 September 1999  
FERNANDO W A C; CANAGARAJAH C N; BULL D R  
LIU KJ Ray, ed; OSTERMANN Joern, ed; DEPRETTERE Ed, ed; KLEIJN W Bastiaan  
ed; SORENSEN John Aasted, ed  
Image Communications Group, Centre for Communications Research,  
University of Bristol, Merchant Ventures Building, Woodland Road, Bristol  
BS8 1UB, United Kingdom  
IEEE Signal Processing Society, United States  
Workshop on multimedia signal processing, 3 (Copenhagen DNK) 1999-09-13  
1999 259-264  
Publisher: IEEE, Piscataway NJ  
Language: English

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...how strong the previous and future I or P (I/P) frames are correlated.  
Experimental results show that this algorithm can detect most abrupt scene  
changes in **MPEG - 2 compressed** video.  
English Descriptors: Image processing; Digital processing; Video signal;  
Data compression; Standards; Scene analysis; Database; **Multimedia** ;  
Automatic indexing; Information retrieval; Algorithm performance; Real  
time; Experimental study; Signal analysis; Block code; Cosine transform;  
Discrete transformation; Motion estimation; Interpolation; Algorithm  
analysis; Flowchart; Numerical simulation; Experimental result...

French Descriptors: Traitement image; Traitement numerique; Signal video;  
Compression donnee; Norme; Analyse scene; Base donnee; **Multimedia** ;  
Indexation automatique; Recherche information ; Performance algorithme;  
Temps reel; Etude experimentale; Analyse signal; Code bloc;  
Transformation cosinus; Transformation discrete; Estimation mouvement;  
Interpolation; Analyse algorithme; Organigramme; Simulation numerique;  
Resultat experimental; Forme...

25/3,K/20 (Item 2 from file: 144)  
DIALOG(R)File 144:Pascal  
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13066359 PASCAL No.: 97-0356964  
Tests on MPEG-4 audio codec proposals  
CONTIN L; EDLER B; MEARES D; SCHREINER P  
Centro Studi e Laboratori Telecommunicazioni, V. Reiss Romoli, 274, 10148  
Torino, Italy; Universitaet Hannover, Schneiderberg 32, 30167 Hannover,  
Germany; BBC, Kingswood Warren, Tadworth, Surrey, KT20 6NP, United Kingdom;  
Scientific Atlanta, P.O. Box 6850, Norcross, Ga. 30091, United States  
ITP'96 : MPEG-4 Part 1 (Prague) 1996-09-17  
Journal: Signal processing. Image communication, 1997, 9 (4) 327-342  
Language: English . Summary Language: English

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English Descriptors: Coding; Image processing; Codec; Video signal; Data compression; Subjective evaluation

French Descriptors: Codage; Traitement image; Codec ; Signal video; Compression donnee; Evaluation subjective; MPEG4

25/3,K/21 (Item 3 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2004 INIST/CNRS. All rts. reserv.

12026303 PASCAL No.: 95-0218657  
Architecture and VLSI implementation of the MPEG-2:MP alpha ML video decoding process  
STOJANCIC M M; NGAI C  
IBM Microelectronics, Endicott NY 13760, USA  
Journal: SMPTE journal, 1995, 104 (2) 62-72  
Language: English

This paper describes a recently developed silicon component that efficiently implements real-time decompression of an MPEG - 2 encoded video data stream. The chip has been developed by IBM Corp. and is fully compliant with the MPEG-2 Draft Standard at MP@ML (Main Profile at...?)

File 348:EUROPEAN PATENTS 1978-2004/Jan W05

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040129,UT=20040122

(c) 2004 WIPO/Univentio

? ds

Set	Items	Description
S1	697185	FILE OR DATA OR INFO OR INFORMATION OR RECORD? (3N) (SHARE? ? OR SHARING)
S2	195402	(VIDEO? ? OR AUDIO OR MULTIMEDIA OR MULTI()MEDIA OR MOVIE? ? OR MUSIC? OR SONG? ? OR CLIP OR RECORDING OR AUDIOVISUAL OR AV OR IMAGE?) (5N) (FILE OR DATA OR INFO OR INFORMATION OR RECO- RD?)
S3	179413	STREAM?
S4	304937	COMPRESS? OR DECOMPRESS?
S5	435	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD? OR CODEC OR ENCOD?) (5W) S3 (5W) S4
S6	6004	(UPLOAD? OR UPDAT? OR SYNCHRONI? OR COORDINAT?) (3N) SERVER
S7	0	S1(S)S5(S)S6
S8	4775	S1(S)S5 OR S5(S)S6 OR S6(S)S1
S9	272	S1(15N)S5
S10	138	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD?) (3W) S4 (3W) S3
S11	85	S10(S)(S1 OR S6)
S12	0	S10(S)S1(S)S6
S13	85	IDPAT S11 (sorted in duplicate/non-duplicate order)
S14	83	IDPAT S11 (primary/non-duplicate records only)
S15	83	S14(S)S1
S16	40	S15(S)S2
S17	18	S16 AND AD=19990803:20040206/PR
S18	22	S16 NOT S17
S19	2316	(S1 OR S5 OR S6) AND IC=H04N-007/173
S20	133	S8 AND IC=H04N-007/173
S21	53	S20(S)S2
S22	53	IDPAT (sorted in duplicate/non-duplicate order)
S23	51	IDPAT (primary/non-duplicate records only)
S24	32	S23 AND AD=19990803:20040206/PR
S25	19	S23 NOT S24
S26	19	S25 NOT S18

18/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01629999  
Digital image compression and decompression using block coding  
Digitalbildkompression und Dekompression unter Verwendung von  
Blockcodierung  
Compression et decompression d'images numeriques utilisant un codage de  
blocs

PATENT ASSIGNEE:

Sung, Chih-Ta Star, (3888130), Siebenburgenstrasse 27, 85625 Glonn, (DE),  
(Applicant designated States: all)

INVENTOR:

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LEGAL REPRESENTATIVE:

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, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1345449 A1 030917 (Basic)

APPLICATION (CC, No, Date): EP 2001130696 011221;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/34; H04N-007/26

ABSTRACT WORD COUNT: 159

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200338	660
SPEC A	(English)	200338	4135
Total word count - document A			4795
Total word count - document B			0
Total word count - documents A + B			4795

...SPECIFICATION circuits. Parts of the steps can also be implemented as  
program code that is run on a computer.

Figure 7 shows an example of a image data stream that has been  
compressed using a combination of standard JPEG compression and  
difference block compression (DBC). The data stream starts with a  
header 71 comprising some user of manufacturer determined codes including  
a starting code 711, at least one quantization table 712, a...

...table of blocks 715. The header is followed by the compressed blocks  
that are either compressed using standard JPEG 72 and 74 or using  
difference data coding 73 and 75 with an indicator value identifying  
the closest lookup block. Preferably, the DBC blocks are in a JPEG  
compliant format. Since a JPEG encoded "reference" or starting block is  
always necessary, the data stream always starts with such a standard  
JPEG block 72. The data stream closes with an "End of Picture" code 76.  
With the information extracted from the image header, a user can  
convert the compressed image data stream to either a JPEG data  
stream or to raw data to be displayed on display devices or for  
manipulation for other purposes.

To a large degree, the steps of the methods of the invention are...

18/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01316717

Electronic device for the recording/reproduction of voice data  
Elektronische Anordnung fur das Aufnehmen und das Abspielen von Sprachdaten  
Dispositif electronique pour l'enregistrement et la lecture d'information  
vocale

PATENT ASSIGNEE:

STMicroelectronics S.r.l., (1014060), Via C. Olivetti, 2, 20041 Agrate  
Brianza (Milano), (IT), (Applicant designated States: all)

INVENTOR:

Borgatti, Michele, Via Indipendenza 2, 41035 Finale Emilia, (IT)  
Rocchi, Alessandro, Via Dante 17, 57013 Rosignano Solvay, (IT)  
Bisio, Marco, Via Emilia Est, 297/10, 41100 Modena, (IT)  
Rolandi, Pierluigi, Via Pietra del Gallo 34, 15059 Monleale, (IT)  
Pasotti, Marco, Via Benedetto Croce 3, 27028 S.Martino Siccomario, (IT)

LEGAL REPRESENTATIVE:

Cerbaro, Elena, Dr. et al (53281), STUDIO TORTA S.r.l., Via Viotti, 9,  
10121 Torino, (IT)

PATENT (CC, No, Kind, Date): EP 1126466 A1 010822 (Basic)

APPLICATION (CC, No, Date): EP 2000830115 000218;

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G11C-007/16; G06F-012/02; G06F-003/16

ABSTRACT WORD COUNT: 130

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Italian  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200134	950
SPEC A	(English)	200134	2308
Total word count - document A			3258
Total word count - document B			0
Total word count - documents A + B			3258

... CLAIMS according to Claim 9, characterized in that said memory device  
(25) comprises a digital flash EEPROM of the multilevel type.

12. A method for the recording /reproduction of voice data ,  
characterized in that it comprises the steps of:
  - receiving (100) an input analog signal correlated to a voice  
signal;
  - compressing (105) said input analog signal...
- ...from said integrated non-volatile memory unit (5) to said  
temporary-storage means (21, 22);
  - sending said second stream of compressed digital signals to a  
converter circuit (200);
  - decompressing (205) said second stream of compressed digital  
signals; and
  - generating (215) an output analog signal.
13. The method according to Claim 12, characterized in that said step of  
generating...

18/3,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01157138

**DATA RECORDING/REPRODUCING DEVICE**

**DATENAUFZEICHNUNGS- UND WIEDERGABEGERAT**

**DISPOSITIF D'ENREGISTREMENT/LECTURE DE DONNEES**

**PATENT ASSIGNEE:**

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (1855501), 1006, Oaza Kadoma,

Kadoma-shi, Osaka, (JP), (Proprietor designated states: all)

**INVENTOR:**

NONOMURA, Tomoyuki, 11-3, Nishiimagawa 3-chome Higashisumiyoshi-ku,  
Osaka-shi Osaka 546-0042, (JP)

INOUE, Mitsuhiro, 10989 Bluffside Dr., 3310, Studio City, CA 91604, (US)

MINAMI, Masataka, 1555 Scott Rd., Apt. 103, Burbank, CA 91504, (JP)

KOZUKA, Masayuki, 501 Coyle Avenue, Arcadia, CA 91008, (US)

**LEGAL REPRESENTATIVE:**

Eisenfuhr, Speiser & Partner (100151), Martinistraße 24, 28195 Bremen,  
(DE)

**PATENT (CC, No, Kind, Date): EP 1047066 A1 001025 (Basic)**

**EP 1047066 B1 021127**

**WO 2000021088 000413**

**APPLICATION (CC, No, Date): EP 99970203 991008; WO 99JP5566 991008**

**PRIORITY (CC, No, Date): JP 98287085 981008**

**DESIGNATED STATES (Pub A): AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE; (Pub B): DE; FR; GB; IT; NL**

**INTERNATIONAL PATENT CLASS: G11B-020/10; G06F-012/14; H03M-007/00;  
G10L-011/00**

**ABSTRACT WORD COUNT: 137**

**NOTE:**

Figure number on first page: 1

**LANGUAGE (Publication, Procedural, Application): English; English; Japanese**

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200043	2086
CLAIMS B	(English)	200248	2102
CLAIMS B	(German)	200248	1520
CLAIMS B	(French)	200248	2664
SPEC A	(English)	200043	20852
SPEC B	(English)	200248	20839
Total word count - document A		22942	
Total word count - document B		27125	
Total word count - documents A + B		50067	

...SPECIFICATION the compressed audio data stream supplied from the outside  
is prevented from being degraded.

In the case where watermarking is performed before writing the  
compressed audio data stream in the stream storage unit, the  
following processes are required: a decompression process of converting  
the compressed audio data stream to the non-compressed audio  
data stream by decoding, a watermarking process of inserting a watermark  
in the non-compressed audio data stream, and a compression process of  
compressing the watermark-inserted non-compressed audio data stream  
by coding. In this case, since the decompression and compression  
processes are adapted to non-reversible coding, degradation of sound  
quality occurs due to these processes. In contrast with this, in the case  
where watermarking is performed after reading the compressed audio  
data stream from the stream storage unit, only the above-described  
decompression and watermarking processes are required, and therefore  
degradation of sound quality due to compression...

...SPECIFICATION the compressed audio data stream supplied from the outside is prevented from being degraded.

In the case where watermarking is performed before writing the compressed audio data stream in the stream storage unit, the following processes are required: a decompression process of converting the compressed audio data stream to the non-compressed audio data stream by decoding, a watermarking process of inserting a watermark in the non-compressed audio data stream, and a compression process of compressing the watermark-inserted non-compressed audio data stream by coding. In this case, since the decompression and compression processes are adapted to non-reversible coding, degradation of sound quality occurs due to these processes. In contrast with this, in the case where watermarking is performed after reading the compressed audio data stream from the stream storage unit, only the above-described decompression and watermarking processes are required, and therefore degradation of sound quality due to compression...

18/3,K/4 (Item 4 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01133198  
SYSTEM AND METHOD FOR TRANSCODING MULTIPLE CHANNELS OF COMPRESSED VIDEO STREAMS USING A SELF-CONTAINED DATA UNIT  
SYSTEME DE TRANSCODAGE DE CANAUX MULTIPLES DE FLUX VIDEO COMPRIMÉS RECOURLANT À UNE UNITE INDEPENDANTE DE DONNÉES

PATENT ASSIGNEE:

V-Bits, Inc., (2946110), 2199 Zanker Road, San Jose, CA 95131, (US),  
(Applicant designated States: all)

INVENTOR:

ZHANG, Ji, 1392 Tanaka Drive, San Jose, CA 95131, (US)  
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TSE, Yitong, 6662 Bretharte Drive, San Jose, CA 95120, (US)

PATENT (CC, No, Kind, Date):

WO 200007374 000210

APPLICATION (CC, No, Date): EP 99935692 990726; WO 99US16279 990726

PRIORITY (CC, No, Date): US 94364 980727; US 244326 990203

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04N-007/18

LANGUAGE (Publication,Procedural,Application): English; English; English

SYSTEM AND METHOD FOR TRANSCODING MULTIPLE CHANNELS OF COMPRESSED VIDEO STREAMS USING A SELF-CONTAINED DATA UNIT

18/3,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01103561  
Video tape recorder playback circuit  
Wiedergabeschaltung fur Videobandgerat  
Circuit de reproduction d'un magnetoscope

PATENT ASSIGNEE:

Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo  
101, (JP), (Applicant designated States: all)

INVENTOR:

Lane, Frank Anton, 148 Mohawk Trail, Medford Lakes, NJ 08055, (US)  
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Boyce, Jill MacDonald, 3 Brandywine Court, Manalapan, NJ 07726, (US)  
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Henderseon, John Goodchilde, 43 Fieldstone Road, Princeton Junction, NJ  
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Okamoto, Hiroo, 1-34-2, Gontazaka, Hodogaya-ku, Yokohama-shi, Kanagawa  
240-0026, (JP)  
Oku, Masuo, Kamakura-shiromeguri-haima 205, 502-1 Shiromeguri,  
Kamakura-shi, Kanagawa 247, (JP)  
Plotnick, Michael Allen, 1225 Woods Road, Southampton, PA 18966, (US)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1268), Patent- und Rechtsanwalte  
Bardehle . Pagenberg . Dost . Altenburg . Geissler . Isenbruck  
Galileiplatz 1, 81679 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 967810 A2 991229 (Basic)  
EP 967810 A3 000705

APPLICATION (CC, No, Date): EP 99116887 940107;

PRIORITY (CC, No, Date): US 3887 930113

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 606857 (EP 94100182)

INTERNATIONAL PATENT CLASS: H04N-009/804

ABSTRACT WORD COUNT: 241

NOTE:

Figure number on first page: 11

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199952	1156
SPEC A	(English)	199952	32695
Total word count - document A			33851
Total word count - document B			0
Total word count - documents A + B			33851

...SPECIFICATION as possible to the specified ratio of 1 packet of high priority data to 4 packets of standard priority data.

To reduce receiver and VTR data buffering requirements, the video transport packetizer 106 and multiplexer 108 organize the video and audio data packets so that the data contained in each Group of Pictures, output by the encoder 102, will be transmitted in a single time period. The single time period associated with...

...same or shorter length than the time period required by a receiver to display all the frames in the particular Group of Pictures. While such data synchronization is not required by the MPEG standard, such synchronization has the advantage of reducing receiver and VTR data buffering requirements in certain cases. For example, if the Group of Pictures takes up a fixed maximum amount of time to transmit, and thus comprises a corresponding fixed maximum amount of data, the VTR can be synchronized with another source for dubbing together video sequences at each Group of Pictures' boundary. This allows editing of compressed video data streams while avoiding the possibility of buffer overflow in a video decoder used to edit the data comprising a Group of Pictures. Thus, by transmitting the data contained in each Group of Pictures in a single time period of equal or shorter length than the display time period, data buffers of a predictable maximum size may be used in receivers and VTRs. Thus, by fixing the size of the buffers

required to avoid **data** overflows, large buffers with excess **data** capacity need not be used to avoid the possibility of a **data** overflow. As illustrated in Fig. 8(a), the video transport encoder 106 has an HP video packet output and an SP video packet output coupled...

18/3,K/6 (Item 6 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01054372  
**Compressed picture data editing apparatus and method**  
**Vorrichtung und Verfahren zum Editieren von komprimierten Bilddaten**  
**Appareil et methode d'édition de données d'images comprimées**  
**PATENT ASSIGNEE:**  
SONY CORPORATION, (214025), 6-7-35 Kitashinagawa Shinagawa-ku, Tokyo 141,  
(JP), (Applicant designated States: all)

**INVENTOR:**  
Yamato, Atsushi, c/o Sony Corporation, 6-7-35 Kitashinagawa,  
Shinagawa-ku, Tokyo 141, (JP)  
Tahara, Katsumi, c/o Sony Corporation, 6-7-35 Kitashinagawa,  
Shinagawa-ku, Tokyo 141, (JP)  
Yasuda, Mikita, c/o Sony Corporation, 6-7-35 Kitashinagawa, Shinagawa-ku,  
Tokyo 141, (JP)  
Negishi, Shinji, c/o Sony Corporation, 6-7-35 Kitashinagawa,  
Shinagawa-ku, Tokyo 141, (JP)

**LEGAL REPRESENTATIVE:**  
Robinson, Nigel Alexander Julian (69551), D. Young & Co., 21 New Fetter Lane, London EC4A 1DA, (GB)

**PATENT (CC, No, Kind, Date):** EP 930786 A2 990721 (Basic)  
EP 930786 A3 020605

**APPLICATION (CC, No, Date):** EP 99300079 990106;

**PRIORITY (CC, No, Date):** JP 988032 980119

**DESIGNATED STATES:** DE; FR; GB

**EXTENDED DESIGNATED STATES:** AL; LT; LV; MK; RO; SI

**INTERNATIONAL PATENT CLASS:** H04N-007/24

**ABSTRACT WORD COUNT:** 153

**NOTE:**

Figure number on first page: 11

**LANGUAGE (Publication,Procedural,Application):** English; English; English  
**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9929	3688
SPEC A	(English)	9929	7058
Total word count - document A		10746	
Total word count - document B		0	
Total word count - documents A + B		10746	

...SPECIFICATION of moving picture data are edited and spliced together to form one set of moving picture data. For example, at the broadcasting station, moving picture **data** of a **movie** may be edited to insert a commercial into the movie as shown in Fig. 15. Each of the commercials includes an amount of **data** that allows the commercial to run for a short period of time. When conventionally performing such an edit, for real-time transmission and for convenience in editing, base-band moving picture **data** are not handled during **editing**. Rather, **compressed MPEG streams** are processed during editing without decoding.

First to third conventional alternatives for performing such editing will now be described. In each of the conventional alternatives...

18/3,K/7 (Item 7 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00829938  
Post-filter for removing artifacts from DCT coded images  
Nachfilterung zur Entfernung von Artefakten in DCT-codierten Bildern  
Post-filtrage pour eliminer les artefacts dans les images codees avec DCT

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,  
Kadoma-shi, Osaka 571-8501, (JP), (Proprietor designated states: all)

INVENTOR:

Devaney, Patrick William, 52 Kettle Creek Road, Freehold, New Jersey  
07728, (US)

Gnanaprakasam, Daniel Chandran, 1701 Old Mill Court, North Wales,  
Pennsylvania 19454, (US)

Leacock, Thomas James, 102 Burnam Wood Drive, Mount Laurel, New Jersey  
08054, (US)

LEGAL REPRESENTATIVE:

Schwabe - Sandmair - Marx (100951), Stuntzstrasse 16, 81677 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 769878 A2 970423 (Basic)

EP 769878 A3 991229

EP 769878 B1 031217

APPLICATION (CC, No, Date): EP 96116785 961018;

PRIORITY (CC, No, Date): US 546049 951020

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/30; H04N-007/50

ABSTRACT WORD COUNT: 76

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	855
CLAIMS B	(English)	200351	1114
CLAIMS B	(German)	200351	1083
CLAIMS B	(French)	200351	1374
SPEC A	(English)	EPAB97	6802
SPEC B	(English)	200351	6901
Total word count - document A		7658	
Total word count - document B		10472	
Total word count - documents A + B		18130	

...SPECIFICATION represented by quantized spatial-frequency coefficients.

Fig. 1 is a block diagram of a system which includes an embodiment of the present invention. High-quality video signal data is provided to an encoder 1 which encodes the data using an MPEG encoding algorithm to compress the data. The encoder 1 generates image frames, converts the data to block format, and performs Discrete Cosine Transform (DCT) compression. The compressed MPEG data stream is then sent via a transmission channel 5 to a destination. The transmission system and channel 5 may be a terrestrial or satellite broadcast channel or cable channel. When the data stream is received at its destination, it is decoded using an MPEG decoder 9. The MPEG decoder 9 uses an Inverse Discrete Cosine Transform (IDCT...).

...and a motion compensation processor to yield blocks of pixels for

display. Prior to display, however, these blocks of pixels are converted to raster-scan **data** and the raster-scan **data** is subjected to an anisotropic diffusion filter 13. The filter 13 removes ringing noise artifacts from the picture. After the raster-scan **data** passes through the anisotropic diffusion filter 13, they are provided as high-quality digital video to a display.

An exemplary prior art encoder is shown...

...SPECIFICATION represented by quantized spatial-frequency coefficients.

Fig. 1 is a block diagram of a system which includes an embodiment of the present invention. High-quality **video signal data** is provided to an encoder 1 which encodes the **data** using an MPEG encoding algorithm to compress the **data**. The encoder 1 generates **image frames**, converts the **data** to block format, and performs Discrete Cosine Transform (DCT) compression. The compressed **MPEG data stream** is then sent via a transmission channel 5 to a destination. The transmission system and channel 5 may be a terrestrial or satellite broadcast channel or cable channel. When the **data stream** is received at its destination, it is decoded using an MPEG decoder 9. The MPEG decoder 9 uses an Inverse Discrete Cosine Transform (IDCT...).

...and a motion compensation processor to yield blocks of pixels for display. Prior to display, however, these blocks of pixels are converted to raster-scan **data** and the raster-scan **data** is subjected to an anisotropic diffusion filter 13. The filter 13 removes ringing noise artifacts from the picture. After the raster-scan **data** passes through the anisotropic diffusion filter 13, they are provided as high-quality digital video to a display.

An exemplary prior art encoder is shown...

18/3,K/8 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00788385

MEMORY CONTROLLER FOR DECODING AND DISPLAYING COMPRESSED VIDEO DATA  
SPEICHERSTEUERUNG ZUR DEKODIERUNG UND ANZEIGE VON KOMPRIMIERTEN BILDDATEN  
UNITE DE COMMANDE DE MEMOIRE POUR DECODER ET AFFICHER UNE IMAGE VIDEO  
COMPRESSEE

PATENT ASSIGNEE:

CIRRUS LOGIC, INC., (1079712), 3100 West Warren Avenue, B1-906, Fremont,  
California 94538-6423, (US), (Proprietor designated states: all)

INVENTOR:

SUN, Yuanyuan, 7134 Clarendon Street, San Jose, CA 95070, (US)  
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SOONG, Jih-Hsien, 21712 Columbus Avenue, Cupertino, CA 95014, (US)  
CHANG, Richard, 1291 Thornvalley Court, San Jose, CA 95131, (US)  
CHAN, Tzoyao, 20237 Marilla Court, Saratoga, CA 95070, (US)  
HANG, Chia-Lun, 3116 Penitencia Creek Road, San Jose, CA 95132, (US)

LEGAL REPRESENTATIVE:

Cross, Rupert Edward Blount et al (42891), BOULT WADE TENNANT, Verulam  
Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)

PATENT (CC, No, Kind, Date): EP 799551 A1 971008 (Basic)  
EP 799551 B1 010321  
WO 9620567 960704

APPLICATION (CC, No, Date): EP 95944202 951220; WO 95US16776 951220  
PRIORITY (CC, No, Date): US 372794 941223

DESIGNATED STATES: DE; FR; GB; IE; IT; NL

INTERNATIONAL PATENT CLASS: H04N-007/50; H04N-007/26

NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200112	1288
CLAIMS B	(German)	200112	1299
CLAIMS B	(French)	200112	1459
SPEC B	(English)	200112	4790
Total word count - document A			0
Total word count - document B			8836
Total word count - documents A + B			8836

...SPECIFICATION is provided on bus 626 and stored in slots 371-373 to be used for decoding subsequent frames.

The graphics controller 625 receives the decompressed video data stream and, in conjunction with the video display memory 624, scans an image onto either the digital display 605 or the CRT monitor 606 in a normal fashion. The codec 628 receives the decompressed video data stream and converts it into a data format such as YUV or RGB that is acceptable to a television 607. The codec 628 converts the decompressed video data stream into an NTSC or PAL format for display on an NTSC or PAL television; however, future format conversions may be used as well. The audio decoder 627 decompresses/decodes the compressed/encoded audio data stream into an decompressed audio analog signals to be conveyed to an analog amplification device (not shown) or to drive speakers 608 directly. Alternately, the audio decoder 627 decompresses/decodes the compressed/encoded audio data stream into a decompressed digital audio data stream to be conveyed to a digital amplification device (not shown) over busses 609.

Figure 6 also depicts one method of how graphics data and...

18/3, K/9 (Item 9 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00771289  
PROGRAMMABLE AUDIO-VIDEO SYNCHRONIZATION METHOD AND APPARATUS FOR  
MULTIMEDIA SYSTEMS  
VERFAHREN UND VORRICHTUNG ZUR PROGRAMMIERBAREN TON-/VIDEOSYNCHRONISIERUNG  
FUR MULTIMEDIASYSTEME  
PROCEDE ET APPAREIL PROGRAMMABLES DE SYNCHRONISATION AUDIO-VIDEO POUR  
SYSTEMES MULTIMEDIA

PATENT ASSIGNEE:

CIRRUS LOGIC, INC., (1079712), 3100 West Warren Avenue, B1-906, Fremont,  
California 94538-6423, (US), (Proprietor designated states: all)

INVENTOR:

SUNG, Chih-Ta, 439 Walnut Lane, Princeton, NJ 08540, (US)  
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CHANG, Richard, 1291 Thornvalley Court, San Jose, CA 95131, (US)  
ROSENAU, Mark, A., 2784 Sierra Village Court, San Jose, CA 95132, (US)  
ORT, Jeffrey, G., 10509 North East 124 Court, Kirkland, WA 98034, (US)  
DAUM, Daniel, T., 1070 Willow Glen Way, San Jose, CA 95125, (US)  
SUN, Yuanyuan, 10439 Plum Tree Lane, Cupertino, CA 94014, (US)

LEGAL REPRESENTATIVE:

Lundquist, Arne (23591), Oxoen 1:9, 139 50 Vaermoe, (SE)

PATENT (CC, No, Kind, Date): EP 783824 A1 970716 (Basic)  
EP 783824 B1 010912  
WO 9610889 960411

APPLICATION (CC, No, Date): EP 95935676 950929; WO 95US12476 950929  
PRIORITY (CC, No, Date): US 316015 940930  
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; LI; NL  
INTERNATIONAL PATENT CLASS: H04N-007/52

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200137	501
CLAIMS B	(German)	200137	471
CLAIMS B	(French)	200137	551
SPEC B	(English)	200137	14953
Total word count - document A			0
Total word count - document B			16476
Total word count - documents A + B			16476

...SPECIFICATION display memory 624 scans an image onto either the digital display 605 or the CRT video monitor 606.

The codec 628 receives the decoded/decompressed video data stream and converts it into a data format such YUV or RGB which is acceptable to a television 607. The codec 628 presently would convert the decoded/decompressed video data stream into an NTSC or PAL format for display on an NTSC or PAL television however future format conversions may be used as well.

The audio...

18/3,K/10 (Item 10 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00755084

Video recorder compatible receiver

Videorekorderkompatibler Fernsehempfänger

Recepteur compatible avec un enregistreur video

PATENT ASSIGNEE:

HITACHI, LTD., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo  
101, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Lane, Frank Anton, 148 Mohawk Trail, Medford Lakes, NJ 08055, (US)  
Boyce, Jill MacDonald, 3 Brandywine Court, Manalapan, New Jersey 07726,  
(US)

Führer, Jack Selig, 6 Douglas Drive, Princeton Junction, NJ 08550, (US)  
Henderson, John Goodchilde Norie, 43 Fieldstone Road, Princeton, NJ 08540  
(US)

Plotnick, Michael Allen, 1225 Woods Road, Southampton, Pennsylvania 18966  
(US)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1268), Patent- und Rechtsanwalte,  
Bardehle . Pagenberg . Dost . Altenburg . Frohwitter . Geissler &  
Partner, Galileiplatz 1, 81679 München, (DE)

PATENT (CC, No, Kind, Date): EP 711084 A2 960508 (Basic)  
EP 711084 A3 970226

APPLICATION (CC, No, Date): EP 95117081 951030;

PRIORITY (CC, No, Date): US 333097 941101

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-009/804;

ABSTRACT WORD COUNT: 169

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1205
SPEC A	(English)	EPAB96	30875
Total word count - document A			32080
Total word count - document B			0
Total word count - documents A + B			32080

...SPECIFICATION as possible to the specified ratio of 1 packet of high priority data to 4 packets of standard priority data.

To reduce receiver and VTR **data** buffering requirements, the **video** transport packetizer 106 and multiplexer 108 organize the **video** and **audio** **data** packets so that the **data** contained in each Group of Pictures, output by the encoder 102, will be transmitted in a single time period. The single time period associated with...

...same or shorter length than the time period required by a receiver to display all the frames in the particular Group of Pictures. While such **data** synchronization is not required by the MPEG standard, such synchronization has the advantage of reducing receiver and VTR **data** buffering requirements in certain cases. For example, if the Group of Pictures takes up a fixed maximum amount of time to transmit, and thus comprises a corresponding fixed maximum amount of **data**, the VTR can be synchronized with another source for dubbing together video sequences at each Group of Pictures' boundary. This allows editing of compressed **video** **data** streams while avoiding the possibility of buffer overflow in a **video** decoder used to edit the **data** comprising a Group of Pictures. Thus, by transmitting the **data** contained in each Group of Pictures in a single time period of equal or shorter length than the display time period, **data** buffers of a predictable maximum size may be used in receivers and VTRs. Thus, by fixing the size of the buffers required to avoid **data** overflows, large buffers with excess **data** capacity need not be used to avoid the possibility of a **data** overflow.

As illustrated in Fig. 8(a), the **video** transport encoder 106 has an HP **video** packet output and an SP **video** packet output coupled...

18/3,K/11 (Item 11 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00743620

Interactive playout of videos

Interaktive Video-Wiedergabe

Reproduction video interactive

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200125), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Kandlur, Dilip, 161 Orchard Road, Apt. 1R, Briarcliff Manor, New York  
10510, (US)

Chen, Ming-Syan, 710 Brender Lane, Yorktown Heights, New York 10598, (US)

LEGAL REPRESENTATIVE:

Schafer, Wolfgang, Dipl.-Ing. et al (62021), IBM Deutschland  
Informationssysteme GmbH Patentwesen und Urheberrecht, D-70548  
Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 702493 A1 960320 (Basic)

APPLICATION (CC, No, Date): EP 95112831 950816;

PRIORITY (CC, No, Date): US 308763 940919

DESIGNATED STATES: DE; FR; GB  
INTERNATIONAL PATENT CLASS: H04N-007/24; H04N-007/173;  
ABSTRACT WORD COUNT: 89

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	799
SPEC A	(English)	EPAB96	3094
Total word count - document A			3893
Total word count - document B			0
Total word count - documents A + B			3893

...CLAIMS an I frame is performed by a component in the local station.  
10. A method of transforming a compressed media stream of a type wherein  
video data is encoded as a plurality of frames and wherein  
interframe dependencies exist in the compressed media stream such  
that the decompression of at least some...

...the compressed media stream at the playout station and providing video  
signals generated from the compressed media stream to a display  
device;

during the providing, transforming the compressed media  
stream to video data having another storage format; the storage  
format being of a type wherein at least some of the interframe  
dependencies are removed; and,

storing the video data in a storage media disposed locally  
at the site of the playout station.

11. The method of Claim 10 wherein the compressed media stream is...

18/3,K/12 (Item 12 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00643350

Device and method for data compression/decompression.

Vorrichtung und Verfahren zur Datenkomprimierung/-dekomprimierung.

Dispositif et methode pour la compression et la decompression de donnees.

PATENT ASSIGNEE:

KLICS, Ltd., (1770430), P.P. Box 570, No.1, Le Couteur Court, Mulcaster  
Street, St Helier, Jersey JE4 8X2, Channel Islands, (GB), (applicant  
designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Knowles, Gregory P., Calle Menorca 18-2-B, E-07011 Palma, (ES)

LEGAL REPRESENTATIVE:

W.P. THOMPSON & CO. (101052), Celcon House 289-293 High Holborn, London  
WC1V 7HU, (GB)

PATENT (CC, No, Kind, Date): EP 622741 A2 941102 (Basic)  
EP 622741 A3 981230

APPLICATION (CC, No, Date): EP 94302323 940330;

PRIORITY (CC, No, Date): US 40301 930330; US 100747 930730; US 130571  
931001

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-015/332; H04N-007/13; G06F-015/64;

ABSTRACT WORD COUNT: 186

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	4012
SPEC A	(English)	EPABF2	22021
Total word count - document A			26033
Total word count - document B			0
Total word count - documents A + B			26033

...SPECIFICATION circuit 122 performs either a forward discrete wavelet transformation or an inverse discrete wavelet transformation, depending on whether the chip 112 is configured to compress video data or to decompress compressed video data. Similarly, the tree processor/encoder-decoder circuit 124 either encodes wavelet-transformed images into a compressed data stream or decodes a compressed data stream into decompressed images in wavelet transform form, depending on whether the chip 112 is configured to compress or to decompress video data. Video encoder/decoder chip 112 is also coupled to computer bus 106 via a download register bus 128 so that the discrete wavelet transform circuit 122...  
...image size) from ISA bus 106. The control values are used to control the transformation, tree processing, and encoding/decoding operations. FIFO buffer 120 buffers data flow between the video encoder/decoder chip 112 and the data bus 106. Memory unit 114 stores a video frame in uncompressed digital video format. Display driver chip 118 converts digital video data from either decoder 110 or from memory unit 114 into an analog video signal which can be displayed on external monitor 108.

Figure 2 is...

18/3,K/13 (Item 13 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00621227

Digital video recording device

Vorrichtung zur Aufzeichnung von digitalen Videosignalen

Dispositif d'enregistrement de signaux video numeriques

PATENT ASSIGNEE:

Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo  
101, (JP), (Proprietor designated states: all)

INVENTOR:

Lane, Frank Anton, 148 Mohawk Trail Medford lakes, NJ 08055, (US)  
Augenbraun, Joseph Ellis, 32 Cuyler Road, Princeton, NY 08540, (US)  
Boyce, Jill MacDonald, 3 Brandywine Court, Manalapan, NJ 07726, (US)  
Fuhrer, Jack Selig, 6 Douglas Drive Princeton Junction, NJ 08550, (US)  
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Mohri, Katsuo, 2-7-1 Uragaoka, Yokosuka-shi, Kanagawa 239, (JP)  
Okamoto, Hiroo, Higashitotsuka-haitsu 202, 201-2, Akiba-cho, Totsuka-ku,  
Yokohama-shi Kanagawa 245, (JP)

Oku, Masuo, Kamakura-shiromeguri-haimu 205, 502-1 Shiromeguri,  
Kamura-shi, Kanagawa 247, (JP)

Plotnick, Michael Allen, 1225 Woods Road Southampton, PA 18966, (US)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1269), Patent- und Rechtsanwalte  
Bardehle . Pagenberg . Dost . Altenburg . Geissler . Isenbruck Postfach  
86 06 20, 81633 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 606857 A2 940720 (Basic)  
EP 606857 A3 950614

EP 606857 B1 000405  
APPLICATION (CC, No, Date): EP 94100182 940107;  
PRIORITY (CC, No, Date): US 3887 930113  
DESIGNATED STATES: DE; FR; GB  
RELATED DIVISIONAL NUMBER(S) - PN (AN):  
EP 967810 (EP 99116887)  
INTERNATIONAL PATENT CLASS: H04N-009/80  
ABSTRACT WORD COUNT: 248  
NOTE:

Figure number on first page: 8A

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200014	814
CLAIMS B	(German)	200014	690
CLAIMS B	(French)	200014	1000
SPEC B	(English)	200014	32783
Total word count - document A			0
Total word count - document B			35287
Total word count - documents A + B			35287

...SPECIFICATION as possible to the specified ratio of 1 packet of high priority data to 4 packets of standard priority data.

To reduce receiver and VTR data buffering requirements, the video transport packetizer 106 and multiplexer 108 organize the video and audio data packets so that the data contained in each Group of Pictures, output by the encoder 102, will be transmitted in a single time period. The single time period associated with...

...same or shorter length than the time period required by a receiver to display all the frames in the particular Group of Pictures. While such data synchronization is not required by the MPEG standard, such synchronization has the advantage of reducing receiver and VTR data buffering requirements in certain cases. For example, if the Group of Pictures takes up a fixed maximum amount of time to transmit, and thus comprises a corresponding fixed maximum amount of data, the VTR can be synchronized with another source for dubbing together video sequences at each Group of Pictures' boundary. This allows editing of compressed video data streams while avoiding the possibility of buffer overflow in a video decoder used to edit the data comprising a Group of Pictures. Thus, by transmitting the data contained in each Group of Pictures in a single time period of equal or shorter length than the display time period, data buffers of a predictable maximum size may be used in receivers and VTRs. Thus, by fixing the size of the buffers required to avoid data overflows, large buffers with excess data capacity need not be used to avoid the possibility of a data overflow.

As illustrated in Fig. 8(a), the video transport encoder 106 has an HP video packet output and an SP video packet output coupled...

18/3,K/14 (Item 14 from file: 348)  
DIALOG(R) File 348: EUROPEAN PATENTS  
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00621226

Digital video recording device with variable speed reproduction  
Vorrichtung zur Aufzeichnung von digitalen Videosignalen mit Wiedergabe mit variabler Geschwindigkeit  
Dispositif d'enregistrement de signaux vidéonumériques à reproduction à

vitesse variable

PATENT ASSIGNEE:

Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo  
101, (JP), (Proprietor designated states: all)

INVENTOR:

Boyce, Jill MacDonald, 3 Brandywine Court, Manalpan, NJ 07726, (US)  
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Henderson, John Goodchilde Norie, 43 Fieldstone Road Princeton, NJ 08540,  
(US)

Lane, Frank Anton, 148 Mohawk Trail Medford Lakes, NJ 08055, (US)  
Plotnick, Michael Allen, 1225 Woods Road Southampton, PA 18966, (US)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1269), Patent- und Rechtsanwalte  
Bardehle . Pagenberg . Dost . Altenburg . Geissler . Isenbruck Postfach  
86 06 20, 81633 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 606856 A2 940720 (Basic)  
EP 606856 B1 000405

APPLICATION (CC, No, Date): EP 94100181 940107;

PRIORITY (CC, No, Date): US 3930 930113

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-009/80

ABSTRACT WORD COUNT: 251

NOTE:

Figure number on first page: 8A

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200014	686
CLAIMS B	(German)	200014	560
CLAIMS B	(French)	200014	859
SPEC B	(English)	200014	32304
Total word count - document A			0
Total word count - document B			34409
Total word count - documents A + B			34409

...SPECIFICATION as possible to the specified ratio of 1 packet of high priority data to 4 packets of standard priority data.

To reduce receiver and VTR data buffering requirements, the video transport packetizer 106 and multiplexer 108 organize the video and audio data packets so that the data contained in each Group of Pictures, output by the encoder 102, will be transmitted in a single time period. The single time period associated with...

...same or shorter length than the time period required by a receiver to display all the frames in the particular Group of Pictures. While such data synchronization is not required by the MPEG standard, such synchronization has the advantage of reducing receiver and VTR data buffering requirements in certain cases. For example, if the Group of Pictures takes up a fixed maximum amount of time to transmit, and thus comprises a corresponding fixed maximum amount of data, the VTR can be synchronized with another source for dubbing together video sequences at each Group of Pictures' boundary. This allows editing of compressed video data streams while avoiding the possibility of buffer overflow in a video decoder used to edit the data comprising a Group of Pictures. Thus, by transmitting the data contained in each Group of Pictures in a single time period of equal or shorter length than the display time period, data buffers of a predictable maximum size may be used in receivers and VTRs. Thus, by fixing the size of the buffers

required to avoid data overflows, large buffers with excess data capacity need not be used to avoid the possibility of a data overflow.

As illustrated in Fig. 8(a), the video transport encoder 106 has an HP video packet output and an SP video packet output coupled...

18/3,K/15 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00550046 \*\*Image available\*\*

DYNAMIC BIT ALLOCATION FOR STATISTICAL MULTIPLEXING OF COMPRESSED AND UNCOMPRESSED DIGITAL VIDEO SIGNALS  
AFFECTATION DYNAMIQUE DE BITS POUR LE MULTIPLEXAGE STATISTIQUE DE SIGNAUX VIDEO NUMERIQUES COMPRIMES ET NON COMPRIMES

Patent Applicant/Assignee:

GENERAL INSTRUMENT CORPORATION,

Inventor(s):

WANG Limin,

LUTHRA Ajay,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200013419 A2 20000309 (WO 0013419)

Application: WO 99US16595 19990722 (PCT/WO US9916595)

Priority Application: US 98141265 19980827

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 16881

Fulltext Availability::

Detailed Description

Detailed Description

... pre-compressed

video bit stream is provided at a different bit rate after transcoding. This transcoding process allows the use of both uncompressed and precompressed video source data at a stat mux.

Another method of the present invention is presented for encoding uncompressed video source data, and transcoding pre-compressed video source data...

18/3,K/16 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00501923 \*\*Image available\*\*

PARTIAL DECODING OF COMPRESSED VIDEO SEQUENCES  
DECODAGE PARTIEL DE SEQUENCES VIDEO COMPRIMEES

Patent Applicant/Assignee:

SARNOFF CORPORATION,

Inventor(s):

GOLIN Stuart Jay,

WINE Charles Martin,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9933275 A1 19990701  
Application: WO 98US27223 19981222 (PCT/WO US9827223)  
Priority Application: US 9768774 19971223; US 98105746 19980626  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW  
ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 2565  
Fulltext Availability:  
Claims

Claim

... method comprising the steps of. (a) decoding the compressed video stream to recover one or more low-frequency transform coefficients for each block of original **image data** ;  
(b) generating a block of low-frequency **image data** from each set of low-frequency transform coefficients corresponding to each block of original **image data** ; and  
(c) applying motion-compensated inter-frame differencing to each block of low-frequency **image data** to generate a partially decoded **image** for each frame in the compressed video stream.

18/3, K/17 (Item 3 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00478332 \*\*Image available\*\*  
POST-COMPRESSION HIDDEN DATA TRANSPORT FOR VIDEO  
TRANSPORT DE DONNEES MASQUEES APRES LA COMPRESSION DANS UN SIGNAL VIDEO  
Patent Applicant/Assignee:

SOLANA TECHNOLOGY DEVELOPMENT CORPORATION,  
Inventor(s):  
LEE Chong U,  
MOALLEMI Kamran,  
HINDERLING Jurg,

Patent and Priority Information (Country, Number, Date):  
Patent: WO 9909684 A1 19990225  
Application: WO 98US15111 19980722 (PCT/WO US9815111)  
Priority Application: US 97912434 19970818  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW  
ML MR NE SN TD TG

Publication Language: English  
Fulltext Word Count: 14303  
Fulltext Availability:  
Claims

Claim

... least one of an intra coded image  
and a differentially coded image.

subband samples representative of an auxiliary data signal from a compressed digital video data stream, said auxiliary data subband samples being provided by modulating a first data carrier sequence by said auxiliary data signal, said auxiliary data subband samples being carried with video transform samples in combined transform samples in said compressed digital data stream, comprising:  
means for recovering said combined transform samples from said data stream;  
means for providing a recovery data carrier sequence corresponding to said first data carrier sequence; and  
means for processing said combined transform samples using said recovery data carrier sequence to recover said auxiliary data subband samples from said recovered combined transform samples.

37 The decoder of claim 36, wherein said recovery data carrier sequence comprises at least one of...

18/3, K/18 (Item 4 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00467056 \*\*Image available\*\*  
**INTERACTIVE VIDEO COMMUNICATION OVER A PACKET DATA NETWORK**  
**TRANSMISSION VIDEO INTERACTIVE SUR RESEAU DE DONNEES PAR PAQUETS**  
Patent Applicant/Assignee:

E-NET INC,

Inventor(s):

VESCHI Robert A,  
HOOTON William L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9857521 A1 19981217

Application: WO 98US12033 19980610 (PCT/WO US9812033)

Priority Application: US 97872292 19970610

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML  
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 10546

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... present invention, the system further comprises a decompression/analog conversion circuit, coupled to the packet disassembly circuit, for decompressing and converting the stream of digital audio / video data back into the audio / video signal. Thus, the received audio / video data are converted into a medium that the listener on the receiving end can understand and respond to in kind.

In a preferred embodiment of the...

Claim

... claim I further comprising a decompression/analog conversion I 0 circuit, coupled to said packet disassembly circuit, for decompressing and converting said stream of digital audio / video data back into said audio / video signal. I 0. The system as recited in claim I wherein said computer network comprises a plurality of computers coupled to said backbone, said packet assembly circuit and said packet disassembly 5 circuit located in separate ones of said computers. I 1. A method of communicating audio / video data in a packet-based computer network, transmission of data packets through said computer network requiring variable periods of transmission time, the method comprising the steps ofconstructing a data packet from a portion of a stream of digital audio / video data corresponding to an audio / video signal with a packet assembly circuit, said packet assembly circuit generating a position identifier indicating a temporal position of said portion relative to said stream, inserting said position identifier into said data packet and queuing said data packet for transmission through a backbone of said computer network; and receiving said data packet from said backbone into a packet disassembly circuit having a buffer associated therewith, said packet disassembly circuit inserting said portion into an absolute location of said buffer, said position identifier determining said location, said portion synchronized with adjacent portions of said stream of digital audio / video data in said buffer to compensate for said variable periods of transmission time.

12 The method as recited in claim I I further comprising the step...

18/3,K/19 (Item 5 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00450548 \*\*Image available\*\*  
**MPEG DECODER PROVIDING MULTIPLE STANDARD OUTPUT SIGNALS**  
**DECODEUR MPEG PRODUISANT DES SIGNAUX DE SORTIE STANDARD MULTIPLES**

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD,  
SITA Richard,  
NAIMPALLY Saiprasad,  
PHILLIPS Larry,  
MEYER Edwin Robert,  
KIM Hee-Yong,  
RYAN Robert T,  
DAVE Ghanshyam,  
BROSZ Edward,  
PEARSON Jereld,

Inventor(s):

SITA Richard,  
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PHILLIPS Larry,  
MEYER Edwin Robert,  
KIM Hee-Yong,  
RYAN Robert T,  
DAVE Ghanshyam,  
BROSZ Edward,  
PEARSON Jereld,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9841012 A1 19980917

Application: WO 98US4755 19980311 (PCT/WO US9804755)  
Priority Application: US 9740517 19970312  
Designated States: CN JP KR SG US AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE  
Publication Language: English  
Fulltext Word Count: 21907

Fulltext Availability:  
Detailed Description

Detailed Description

... interface 100, having a transport decoder and processor 102 with associated memory 103.

Also included may be an optional multiplexer 101 for selecting received control information and computer generated images from the computer interface 1 10 at, for example, the = 1394 link layer protocol or for recovering an encoded transport stream from a digital television tuner (not shown). The transport decoder 102 converts the received compressed data bit stream from the communication channel bit stream into compressed video data, which may be, for example, packetized elementary streams (PES) packets according to MPEG-2 standard. The transport decoder may provide either the PES packets directly...

18/3,K/20 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00450547 \*\*Image available\*\*  
HDTV DOWNCONVERSION SYSTEM  
SYSTEME DE TRANSPOSITION, PAR ABAISSEMENT DE FREQUENCE, DES SIGNAUX DE TELEVISION A HAUTE DEFINITION (T.V.H.D.)

Patent Applicant/Assignee:  
MATSUSHITA ELECTRIC INDUSTRIAL CO LTD,  
KIM Hee-Yong,  
NAIMPALLY Saiprasad,  
MEYER Edwin Robert,  
SITA Richard,  
PHILLIPS Larry,  
EGAWA Ren,

Inventor(s):

KIM Hee-Yong,  
NAIMPALLY Saiprasad,  
MEYER Edwin Robert,  
SITA Richard,  
PHILLIPS Larry,  
EGAWA Ren,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9841011 A1 19980917  
Application: WO 98US4749 19980311 (PCT/WO US9804749)  
Priority Application: US 9740517 19970312

Designated States: CN JP KR SG US AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

Publication Language: English  
Fulltext Word Count: 20266

Fulltext Availability:  
Detailed Description

Detailed Description

... interface 100, having a transport decoder and processor 102 with associated memory 103. Also included may be an optional multiplexer 101 for selecting received control information and computer generated images from the computer interface 110 at, for example, the IEEE 1394 link layer protocol or for recovering an encoded transport stream from a digital television tuner (not shown). The transport decoder 102 converts the received compressed data bit stream from the communication channel bit stream into compressed video data, which may be, for example, packetized elementary streams (PES) packets according to MPEG-2 standard. The transport decoder may provide either the PES packets directly...

18/3,K/21 (Item 7 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00336566 \*\*Image available\*\*  
**METHOD AND APPARATUS FOR AUDIO AND VIDEO SYNCHRONIZING IN MPEG PLAYBACK SYSTEMS**

**PROCEDE ET APPAREIL DE SYNCHRONISATION AUDIO ET VIDEO DANS DES SYSTEMES DE REPRODUCTION MPEG**

Patent Applicant/Assignee:  
CIRRUS LOGIC INC,

Inventor(s):

ROSENAU Mark A,  
SARTAIN Daryl,  
DAUM Daniel,  
ORT Jeffrey G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9619078 A1 19960620

Application: WO 95US15618 19951214 (PCT/WO US9515618)

Priority Application: US 94358611 19941214

Designated States: JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 20355

Fulltext Availability:

Detailed Description

Detailed Description

... display memory 624 scans an image onto either the digital display 605 or the CRT video monitor 606.

The codec 628 receives the decoded/decompressed video data stream and converts it into a data format such YUV or RGB which may be acceptable to a television 607. The codec 628 presently would convert the decoded/ decompressed video data stream into an NTSC or PAL format for display on an

54

NTSC or PAL television however future format conversions may be used as well...

18/3,K/22 (Item 8 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00336564 \*\*Image available\*\*

**SYNCHRONIZATION METHOD AND APPARATUS FOR PLAYBACK SYSTEM  
PROCEDE ET APPAREIL DE SYNCHRONISATION POUR SYSTEME DE REPRODUCTION**

Patent Applicant/Assignee:

CIRRUS LOGIC INC,

Inventor(s):

DAUM Daniel,

ROSENAU Mark A,

ORT Jeffrey G,

CHANG Richard,

SUNG Chih-Ta,

CHAN Tzoyao,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9619076 A1 19960620

Application: WO 95US15619 19951214 (PCT/WO US9515619)

Priority Application: US 94358610 19941214

Designated States: JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 23052

Fulltext Availability:

Detailed Description

Detailed Description

... into a data format such

YUV or RGB which may be acceptable to a television 607.

The codec 628 presently would convert the decoded/  
decompressed video data stream into an NTSC or PAL format  
for display on an NTSC or PAL television however future  
format conversions may be used as well.

The audio...

?

26/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01598385

Method and apparatus for concurrently encoding and tagging digital video data

Verfahren und Vorrichtung zur gleichzeitigen Kodierung und Markierung von digitalen Videodaten

Procede et appareil de codage et de reperage simultanes de donnees video numeriques

PATENT ASSIGNEE:

nCUBE Corporation, (3318972), 110 Marsh Drive, Suite 200, Foster City, CA 94404-1184, (US), (Applicant designated States: all)

Thirdspace Living Limited, (3911431), Voyager Place, Shoppenhangers Road, Maidenhead, Berkshire SL6 2PJ, (GB), (Applicant designated States: all)

INVENTOR:

Weaver, Daniel, nCUBE Corporation, 1825 NW 167TH Place, Beaverton, Oregon 97006, (US)

Porter, Mark A., 350 Allen Road, Woodson ,CA 94062, (US)

Pawson, David J., Nevada Avenue, 625, San Mateo, CA 94402, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100646), Steinsdorfstrasse 6, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1322106 A2 030625 (Basic)

APPLICATION (CC, No, Date): EP 2003002994 981019;

PRIORITY (CC, No, Date): US 956261 971022

DESIGNATED STATES: DE; FR; GB; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 1025701 (EP 98953691)

INTERNATIONAL PATENT CLASS: H04N-005/00; H04N-007/24; H04N-007/173

ABSTRACT WORD COUNT: 188

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200326	392
SPEC A	(English)	200326	11085
Total word count - document A			11477
Total word count - document B			0
Total word count - documents A + B			11477

...SPECIFICATION may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 114. The MDS server 110 updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this end-of- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...

...network between the encoder 101 and the video server 106.

According to one embodiment, the tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information

from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video . Because the newest tag information indicates the current end-of- file , newly connected users may simply seek to the content associated with the newest tag information , and begin playing the feed at the real-time rate.

#### MINIMUM TAG DELAY PERIOD

To prevent client 122 from stalling or playing bad data, the...

26/3, K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01433935

Method and system of interactive television, possibly stimulated by telephone call

Verfahren und System einer interaktiven Fernsehanwendung, eventuell stimuliert durch einen Telefonanruf

Procede et systeme de television interactif, eventuellement stimulee par un appel telephonique

PATENT ASSIGNEE:

e-Seed Telecommunications S.p.A., (3220200), Via Stendhal, 36, 20144  
Milano, (IT), (Applicant designated States: all)

INVENTOR:

Bottigelli, William, Via Balsamo, 19, 29100 Piacenza, (IT)  
Giuliani, Ivo, Via Po, 35, 00188 Roma, (IT)

PATENT (CC, No, Kind, Date): EP 1215901 A1 020619 (Basic)

APPLICATION (CC, No, Date): EP 2000830808 001207;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/16; H04N-007/173

ABSTRACT WORD COUNT: 243

NOTE:

e-Seed Telecommunications S.p.A., (3220200), Via Stendhal, 36, 20144  
Milano, (IT); NOTING LOSS OF RIGHTS (R.69(1)EPC)

Figure number on first page: 2

LANGUAGE (Publication, Procedural, Application): English; English; Italian

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200225	1176
SPEC A	(English)	200225	9618
Total word count - document A			10794
Total word count - document B			0
Total word count - documents A + B			10794

...SPECIFICATION in equivalent sub-channels MPEG-2 in case of digital satellite TV. For sake of simplicity, we shall deal hereafter only with the VBI channel. Multimedia contents refer to the data coming from: fixed or moving images , monophonic or stereophonic musical signal, voice, texts, applications, etc. These data are transmitted using a particularly effective proprietary protocol, resting on the existing Teletext protocol. The connection between the PROFILE SERVER and

COORDINATION STATION blocks occurs, for instance, on a high-speed data transmission line. The centre performing the functions of the COORDINATION STATION block is conveniently located in the premises of the television broadcaster represented by the...

26/3, K/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01364738

Method and apparatus for implementing seamless playback of continuous media feeds

Verfahren und Vorrichtung zur nahtlosen Wiedergabe von Videoprogrammen

Procede et appareil de reproduction ininterrompue de programmes de video continu

PATENT ASSIGNEE:

ORACLE CORPORATION, (1640223), 500 Oracle Parkway, MS 5op7, Redwood Shores, CA 94065, (US), (Applicant designated States: all)

INVENTOR:

Weaver, Daniel, 536 Vera Avenue, Redwood City, CA 94061, (US)

Pawson, David, J., 625 Nevada Avenue, San Mateo, CA 94402, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1162828 A2 011212 (Basic)

APPLICATION (CC, No, Date): EP 2001117966 981019;

PRIORITY (CC, No, Date): US 956262 971022

DESIGNATED STATES: DE; FR; GB; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 1025699 (EP 98952358)

INTERNATIONAL PATENT CLASS: H04N-005/00; H04N-007/173

ABSTRACT WORD COUNT: 236

NOTE:

Figure number on first page: 1

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200150	209
SPEC A	(English)	200150	9725
Total word count - document A			9934
Total word count - document B			0
Total word count - documents A + B			9934

...SPECIFICATION may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 114. The MDS server 110 updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this end-of- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...

...network between the encoder 101 and the video server 106.

According to one embodiment, the tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information

from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video. Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video. Because the newest tag information indicates the current end-of- file, newly connected users may simply seek to the content associated with the newest tag information, and begin playing the feed at the real-time rate.

#### MINIMUM TAG DELAY PERIOD

To prevent client 122 from stalling or playing bad data, the...

26/3,K/4 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01238506

A multimedia system with improved data management mechanisms

Multimediasystem mit verbesserten Datenverwaltungsmechanismen

Système multimedia avec mecanismes amelieores pour gestion de donnees

PATENT ASSIGNEE:

AVID TECHNOLOGY, INC., (1306173), Avid Technology Park, One Park West,  
Tewksbury, MA 01876, (US), (Applicant designated States: all)

INVENTOR:

Loveman, Jason S., 1250 McKendrie Street, San Jose, California 95126,  
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White, Ronald, 21111 Paseo Verdura, Lake Forest, California 92630, (US)

Allen, Mark S., 567 South Frances, Sunnyvale, California 94086, (US)

Haynes, Charles E., 1034 Sonoma Avenue, Menlo Park, California 94025,  
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LEGAL REPRESENTATIVE:

Kazi, Ilya et al (86111), Mathys & Squire, 100 Gray's Inn Road, London  
WC1X 8AL, (GB)

PATENT (CC, No, Kind, Date): EP 1072983 A2 010131 (Basic)

EP 1072983 A3 031112

APPLICATION (CC, No, Date): EP 2000118253 970411;

PRIORITY (CC, No, Date): US 631441 960412; US 832868 970404

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 895623 (EP 97920345)

INTERNATIONAL PATENT CLASS: G06F-017/30; H04N-007/173; H04L-029/06

ABSTRACT WORD COUNT: 192

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200105	1812
SPEC A	(English)	200105	11840
Total word count - document A			13652
Total word count - document B			0
Total word count - documents A + B			13652

...SPECIFICATION coupled to the asset manager 734.

When the system 700 is in operation, the first and second encoders 712 and 716 substantially simultaneously receive a multimedia data signal

from the input 702. The first encoder 712 outputs over the network 704 a signal containing a first compressed version of the multimedia data. The second encoder 716 outputs over the network 706 a signal containing a second compressed version of the multimedia data. The resolution of the first compressed version is different than the resolution of the second compressed version. In one embodiment, the first and second resolutions...

...motion video, and spatially. In a particular embodiment of the invention, the first compressed version is an MPEG-1 (ISO/IEC 11172-1 through 9) encoded stream, and the second compressed version is a 60 field per second motion-JPEG (MJPEG) encoded stream of broadcast television quality images so that the first and second compressed versions...

26/3,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01053168  
METHOD AND APPARATUS FOR CONCURRENTLY ENCODING AND TAGGING DIGITAL VIDEO DATA  
VERFAHREN UND VORRICHTUNG ZUR GLEICHZEITIGEN CODIERUNG UND MARKIERUNG VON DIGITALEN VIDEODATEN  
PROCEDE ET APPAREIL DE CODAGE ET DE REPERAGE SIMULTANES DE DONNEES VIDEO NUMERIQUES

PATENT ASSIGNEE:

nCUBE Corporation, .(3318972), 110 Marsh Drive, Suite 200, Foster City, CA 94404-1184, (US), (Proprietor designated states: all)  
Thirdspace Living Limited, (3911431), Voyager Place, Shoppenhangers Road, Maidenhead, Berkshire SL6 2PJ, (GB), (Proprietor designated states: all)

INVENTOR:

WEAVER, Daniel, 536 Vera Avenue, Redwood City, CA 94061, (US)  
PORTER, Mark, A., 350 Allen Road, Woodson, CA 94062, (US)  
PAWSON, David, J., 1501 Locust Street, San Mateo, CA 94402, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1025701 A1 000809 (Basic)  
EP 1025701 B1 030212  
WO 99021364 990429

APPLICATION (CC, No, Date): EP 98953691 981019; WO 98US22018 981019

PRIORITY (CC, No, Date): US 956261 971022

DESIGNATED STATES: DE; FR; GB; NL

RELATED DIVISIONAL NUMBER(S) - PN (AN):  
(EP 2003002994)

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200307	1408
CLAIMS B	(German)	200307	1340
CLAIMS B	(French)	200307	1657
SPEC B	(English)	200307	9846
Total word count - document A			0
Total word count - document B			14251

Total word count - documents A + B 14251

...SPECIFICATION may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 114. The MDS server 110 updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this end-of- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...

...network between the encoder 101 and the video server 106.

According to the invention, the tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video . Because the newest tag information indicates the current end-of- file , newly connected users may simply seek to the content associated with the newest tag information , and begin playing the feed at the real-time rate.

#### MINIMUM TAG DELAY PERIOD

To prevent client 122 from stalling or playing bad data, the...

26/3,K/6 (Item 6 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01053167

METHOD AND APPARATUS FOR NON-SEQUENTIAL ACCESS TO AN IN-PROGRESS VIDEO FEED  
VERFAHREN UND VORRICHTUNG FUR NICHT-SEQUENTIELLEN ZUGANG ZU EINEM LAUFENDEN  
VIDEOPROGRAMM

PROCEDE ET APPAREIL D'ACCES NON SEQUENTIEL A UNE ALIMENTATION VIDEO EN  
COURS

#### PATENT ASSIGNEE:

nCube Corporation, (3318973), 110 Marsh Drive, Suite 200, Foster City,  
California 94404, (US), (Proprietor designated states: all)  
Thirdspace Living Limited, (3911431), Voyager Place, Shoppenhangers Road  
, Maidenhead, Berkshire SL6 2PJ, (GB), (Proprietor designated states:  
all)

#### INVENTOR:

WEAVER, Daniel, 536' Vera Avenue, Redwood City, CA 94061, (US)  
PORTER, Mark, A., 350 Allen Road, Woodson, CA 94062, (US)

PAWSON, David, J., 1501 Locust Street, San Mateo, CA 94402, (US)

#### LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen,  
(DE)

PATENT (CC, No, Kind, Date): EP 1025700 A1 000809 (Basic)  
EP 1025700 B1 030402  
WO 99021363 990429

APPLICATION (CC, No, Date): EP 98953690 981019; WO 98US22014 981019

PRIORITY (CC, No, Date): US 956263 971022

DESIGNATED STATES: DE; FR; GB; NL  
INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200314	1695
CLAIMS B	(German)	200314	1611
CLAIMS B	(French)	200314	1914
SPEC B	(English)	200314	9649
Total word count - document A			0
Total word count - document B			14869
Total word count - documents A + B			14869

...SPECIFICATION may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 114. The MDS server 110 updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this end-of- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...

...network between the encoder 101 and the video server 106.

According to one embodiment, the tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video . Because the newest tag information indicates the current end-of- file , newly connected users may simply seek to the content associated with the newest tag information , and begin playing the feed at the real-time rate.

MINIMUM TAG DELAY PERIOD

To prevent client 122 from stalling or playing bad data, the...

26/3,K/7 (Item 7 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01047819  
METHOD AND APPARATUS FOR IMPLEMENTING SEAMLESS PLAYBACK OF CONTINUOUS VIDEO FEEDS

VERFAHREN UND VORRICHTUNG ZUR NAHTLOSEN WIEDERGABE VON VIDEOPROGRAMMEN  
PROCEDE ET APPAREIL DE REPRODUCTION ININTERROMPUE D'ALIMENTATIONS SUR SUPPORTS EN CONTINU

PATENT ASSIGNEE:

nCUBE Corporation, (3318972), 110 Marsh Drive, Suite 200, Foster City, CA 94404-1184, (US), (Proprietor designated states: all)  
Thirdspace Living Limited, (3911431), Voyager Place, Shoppenhangers Road , Maidenhead, Berkshire SL6 2PJ, (GB), (Proprietor designated states: all)

INVENTOR:

WEAVER, Daniel, 536 Vera Avenue, Redwood City, CA 94061, (US)  
PAWSON, David, J., 1501 Locust Street, San Mateo, CA 94402, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen,  
(DE)

PATENT (CC, No, Kind, Date): EP 1025699 A2 000809 (Basic)  
EP 1025699 B1 030212  
WO 99021362 990429

APPLICATION (CC, No, Date): EP 98952358 981019; WO 98US22012 981019

PRIORITY (CC, No, Date): US 956262 971022

DESIGNATED STATES: DE; FR; GB; NL

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1162828 (EP 2001117966)

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200307	1586
CLAIMS B	(German)	200307	1559
CLAIMS B	(French)	200307	1870
SPEC B	(English)	200307	9749
Total word count - document A			0
Total word count - document B			14764
Total word count - documents A + B			14764

...SPECIFICATION may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 114. The MDS server 110 updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this end-of- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...

...due to variations in the content arrival times, which is a function of the encoder 101 and the network between the encoder 101 and the video server 106.

The tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video . Because the newest tag information indicates the current end-of- file , newly connected users may simply seek to the content associated with the newest tag information , and begin playing the feed at the real-time rate.

MINIMUM TAG DELAY PERIOD

To prevent client 122 from stalling or playing bad data, the...

DIALOG(R) File 348:EUROPEAN PATENTS  
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00986675  
BROADCAST DATA DISTRIBUTION SYSTEM WITH ASYMMETRIC UPLINK/DOWNLINK  
BANDWIDTHS  
RUNDFUNKDATENVERTEILSYSTEM MIT ASYMMETRISCHEN AUF- UND ABWARTSVERBINDUNGSBA  
NDDBREITEN  
SYSTEME DE DISTRIBUTION DE DONNEES DE RADIODIFFUSION A LARGEURS DE BANDE DE  
LIAISONS MONTANTES/DESCENDANTES ASYMETRIQUES

PATENT ASSIGNEE:

Pinpoint Incorporated, (4072040), 201 Main Street, Suite 1440, Fort  
Worth, Texas 76102, (US), (Proprietor designated states: all)

INVENTOR:

HERZ, Frederick, S., M., Box 625, Canaan Valley Davis, WV 26260, (US)

SMITH, Jonathan, M., 771 Princeton-Kingston Road, Princeton, NJ  
08540-4165, (US)

WACHOB, David, 8379 Glen Road, Elkins Park, PA 19117, (US)

LEGAL REPRESENTATIVE:

Mackenzie, Andrew Bryan et al (79992), Mathisen, Macara & Co., The Coach  
House, 6-8 Swakeleys Road, Ickenham, Uxbridge UB10 8BZ, (GB)

PATENT (CC, No, Kind, Date): EP 962098 A1 991208 (Basic)

EP 962098 B1 040114

WO 1998037696 980827

APPLICATION (CC, No, Date): EP 98906560 980217; WO 98US3181 980217

PRIORITY (CC, No, Date): US 37354 P 970221

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200403	1116
CLAIMS B	(German)	200403	981
CLAIMS B	(French)	200403	1310
SPEC B	(English)	200403	16997
Total word count - document A			0
Total word count - document B			20404
Total word count - documents A + B			20404

...SPECIFICATION the embodiment, the data distribution system is comprised of clients, which are the terminal adapters with extremely limited data storage capacity, and servers, which contain **data**, such as **multimedia information** (such as live program feeds and/or **video** -on-demand) and **descriptive information** (**directory information**, schedules, indices) for the **multimedia information**. Clients are assumed to be under subscriber physical control, while servers are embedded in the physical infrastructure of the **data** distribution system. The keys to a limited **data** storage architecture are the intelligent use of local storage, optimized through memory management algorithms, the use of subscriber target profile interest summary **information**, and the reliance on a communications protocol between client and **server** to update local storage through **server updates** and client requests. This results in a distributed architecture for **directory information** which is robust in the face of change, is low-cost, and utilizes the CATV/DBS infrastructure itself to preserve these properties. In practice, the client is the terminal adapter which comprises the "set-top box." The overall algorithm used by the server to provide the **directory information** for the client

is as follows:

1. If new directory information is loaded into the server, the server stores the information in a schedule data...

26/3, K/9 (Item 9 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00775498

METHOD AND APPARATUS FOR ENCODING AND FORMATTING DATA REPRESENTING A VIDEO PROGRAM TO PROVIDE MULTIPLE OVERLAPPING PRESENTATIONS OF THE VIDEO PROGRAM

VERFAHREN UND GERAT ZUR KODIERUNG UND FORMATIERUNG VON VIDEOPROGRAMMDATEN ZUR BEREITSTELLUNG SICH MEHRFACH UBERLAPPENDER VIDEOPROGRAMME

PROCEDE ET APPAREIL DE CODAGE ET DE FORMATAGE DE DONNEES REPRESENTANT UN PROGRAMME VIDEO POUR OBTENIR PLUSIEURS PRESENTATIONS SIMULTANEES DU PROGRAMME

PATENT ASSIGNEE:

IMEDIA CORPORATION, (2140190), Suite 2850, 425 Market Street, San Francisco, CA 94105, (US), (Proprietor designated states: all)

INVENTOR:

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SHEN, Paul, 1945 Pacific Avenue, San Francisco CA 94109, (US)

TOM, Adam, S., 1717 Jones Street, San Francisco CA 94109, (US)

LEGAL REPRESENTATIVE:

Fiener, Josef (70561), Patentanwalte Kahler, Kack, Fiener et col., P.O. Box 12 49, 87712 Mindelheim, (DE)

PATENT (CC, No, Kind, Date): EP 787408 A1 970806 (Basic)

EP 787408 B1 990818

WO 9613125 960502

APPLICATION (CC, No, Date): EP 95938280 951019; WO 95US13513 951019

PRIORITY (CC, No, Date): US 326511 941019

DESIGNATED STATES: BE; DE; FR; GB; LU; NL

INTERNATIONAL PATENT CLASS: H04N-007/173

NOTE:

No A-document published by EPO

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9933	1493
CLAIMS B	(German)	9933	1316
CLAIMS B	(French)	9933	1590
SPEC B	(English)	9933	9173
Total word count - document A			0
Total word count - document B			13572
Total word count - documents A + B			13572

...SPECIFICATION to reduce the data rate that must be sustained by the playback resource for a given interleaving factor is to reduce the total amount of data necessary to adequately represent the video program. Well-known techniques in the art can be used to encode the data stream 10 of Figure 1 to compress the amount of data necessary to adequately represent the program. Two examples of well-known digital compression standards for video data are the MPEG-1 and MPEG-2 standards for Generic Coding of Moving Pictures and Associated Audio. The ITU-T (International Telecommunications Union Telecommunications Standardization Sector) Draft Recommendation H. 262 (10:18 Friday 25 March 1994) is incorporated herein by this reference. A further benefit of data compression is that the amount of storage space necessary to

store interleaved data streams 18 representative of video programs for later transmission is also reduced.

A first preferred embodiment of the present invention will be described which compresses the video data stream 10...

26/3,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00746653

MULTI-CAST DIGITAL VIDEO DATA SERVER USING SYNCHRONIZATION GROUPS  
SERVER FUR DIGITALE VIDEODATEN FUR EINE VIELZAHL VON ANWENDERN IN  
SYNCHRONGRUPPEN  
SERVEUR MULTIDESTINATAIRE DE DONNEES VIDEO NUMERIQUES UTILISANT DES GROUPES  
DE SYNCHRONISATION

PATENT ASSIGNEE:

UNISYS CORPORATION, (842797), Township Line and Union Meeting Roads, P.O.  
Box 500 -C1SW19, Blue Bell Pennsylvania 19424, (US), (applicant  
designated states: DE;FR;GB)

INVENTOR:

BAKER, Donn, Burke, 3128 Silver Lake Road, Minneapolis, MN 55419, (US)  
JOHNSON, David, R., 4751 Helmo Avenue, N., Oakdale, MN 55128, (US)  
SIPPLE, Ralph, E., 4410 Cumberland Court, Shoreview, MN 55126, (US)

LEGAL REPRESENTATIVE:

Modiano, Guido, Dr.-Ing. et al (40786), Modiano, Josif, Pisanty & Staub,  
Baaderstrasse 3, 80469 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 764381 A1 970326 (Basic)  
EP 764381 B1 990506

WO 9534169 951214

APPLICATION (CC, No, Date): EP 95922236 950606; WO 95US7199 950606

PRIORITY (CC, No, Date): US 255014 940607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/173;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9918	1710
CLAIMS B	(German)	9918	1608
CLAIMS B	(French)	9918	1955
SPEC B	(English)	9918	8943
Total word count - document A			0
Total word count - document B			14216
Total word count - documents A + B			14216

...SPECIFICATION speed communications links (i.e., superior I/O performance), high availability of system resources, and the capability of maintaining records such as usage statistics, billing information, and viewer preference profiles. The Video Server 12 is responsive to requests for service issued from a viewer's TOUCH-TONE telephone 14 and received via well known Telephone Answering Equipment...  
...manner similar to a using a VCR remote control device. Video Library application software executing under the control of the operating system in the Video Server 12 coordinates the various requests for service from multiple viewers, retrieves appropriate video data from the Video Library 10 and forwards it to the Network Interface, and records viewer billing information. At a minimum, the Video Server must be capable of transferring 0.5 million bytes per sec (MB/s) over the Network

Interface in order to provide quality video output...

26/3,K/11 (Item 11 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00740535

A video server and system employing the same  
Videoserver und diesen verwendendes System  
Serveur video et systeme l'employant

PATENT ASSIGNEE:

HYUNDAI ELECTRONICS AMERICA, (1312771), 510 Cottonwood Drive, Milpitas,  
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INVENTOR:

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Ravi, T.M., 977-2 Asilomar Terrace, Sunnyvale, California 94086, (US)

LEGAL REPRESENTATIVE:

Gill, David Alan et al (69772), W.P. Thompson & Co., Celcon House,  
289-293 High Holborn, London WC1V 7HU, (GB)

PATENT (CC, No, Kind, Date): EP 699000 A2 960228 (Basic)

EP 699000 A3 961016

EP 699000 B1 010620

APPLICATION (CC, No, Date): EP 95305754 950817;

PRIORITY (CC, No, Date): US 295199 940824

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: H04N-007/24; H04N-007/173

ABSTRACT WORD COUNT: 236

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	333
CLAIMS B	(English)	200125	357
CLAIMS B	(German)	200125	332
CLAIMS B	(French)	200125	434
SPEC A	(English)	EPAB96	2690
SPEC B	(English)	200125	2791
Total word count - document A			3024
Total word count - document B			3914
Total word count - documents A + B			6938

...ABSTRACT a video-on-demand (VOD) system including a plurality of video storage devices; an asynchronous transfer mode (ATM) telephony technology network (T2) connected to provide video data to a plurality of subscribers and a unique video server (V1) coordinating the conversion and transfer of video data from computer technology devices to the ATM telephony technology network (T2). The video server (V1) includes a data converter (M3) for converting a first video data stream transmitted via computer technology fibre channel links (F6) to a second video data stream for transmission via said ATM telephony technology network (T2), a multi-port switch (M2) connected to receive said first video data stream from one of a plurality of video data storage devices, such as disk array or tape storage devices, and connected to provide said first video data stream to said data converter (M3) and a controller (M1) connected to receive a viewer request signal from a subscriber via said telephony technology network (T2) and responsive thereto to generate and provide control

signals to said multi-port switch (M2) and said data converter (M3) for coordinating the transfer of video data streams from said video data storage devices to said telephony technology network (T2). (see image in original document) . . .

26/3,K/12 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00541346 \*\*Image available\*\*  
SYSTEM FOR INTERACTIVELY DISTRIBUTING INFORMATION SERVICES HAVING A REMOTE VIDEO SESSION MANAGER  
SYSTEME DE DISTRIBUTION ACTIVE DE SERVICES D'INFORMATIONS MUNI D'UN GESTIONNAIRE DISTANT DE SEANCES VIDEO

Patent Applicant/Assignee:  
DIVA SYSTEMS CORPORATION,

Inventor(s):

DYER BRADLEY L,  
FRONSDAHL Dwight W,  
GILL Michael S,  
GOODE Christopher,  
RANDALL John M,  
ZACK Steve,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200004719 A1 20000127 (WO 0004719)  
Application: WO 99US15613 19990709 (PCT/WO US9915613)  
Priority Application: US 98116759 19980716

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9941

Fulltext Availability:

Detailed Description

Detailed Description

... subsystem. As such, the system of the present invention provides the customer with all of the interactive commands that are generally available on a conventional video cassette recorder. Additionally, the user can open multiple sessions such that multiple information streams may be started and stopped and interactively controlled at any time. Such interaction is facilitated by the system because the system is synchronized from end-to end. That is, the server provides the synchronization clock to which all subsystems of the invention are synchronized. The system synchronization extends to the cable transport network and the subscriber terminal.

In particular...

26/3,K/13 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT

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00490012 \*\*Image available\*\*  
METHOD AND APPARATUS FOR CONCURRENTLY ENCODING AND TAGGING DIGITAL VIDEO  
DATA  
PROCEDE ET APPAREIL DE CODAGE ET DE REPERAGE SIMULTANES DE DONNEES VIDEO  
NUMERIQUES

Patent Applicant/Assignee:  
ORACLE CORPORATION,

Inventor(s):

WEAVER Daniel,  
PORTER Mark A,  
PAWSON David J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921364 A1 19990429

Application: WO 98US22018 19981019 (PCT/WO US9822018)

Priority Application: US 97956261 19971022

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI  
GB GD GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN  
YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 11825

Fulltext Availability:

Detailed Description

Detailed Description

... may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the **video pump** 120 check this value before reading stripes from disks 1 14. The **MDS server** 1 0 updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this endof- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...the encoder 1 0 1 and the video server 106.

According to one embodiment, the tag information is used to indicate the current end-of- file . Specifically, **video server** 106 effectively updates the end-of- file of file 134 by sending tag information from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of **video** . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of **video** .

Because the newest tag information indicates the current end-of-file, newly connected users may simply seek to the content associated with the newest tag information, and begin playing the...

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00490011 \*\*Image available\*\*

METHOD AND APPARATUS FOR NON-SEQUENTIAL ACCESS TO AN IN-PROGRESS VIDEO FEED  
PROCEDE ET APPAREIL D'ACCES NON SEQUENTIEL A UNE ALIMENTATION VIDEO EN  
COURS

Patent Applicant/Assignee:

ORACLE CORPORATION,

Inventor(s):

WEAVER Daniel,

PORTER Mark A,

PAWSON David J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921363 A1 19990429

Application: WO 98US22014 19981019 (PCT/WO US9822014)

Priority Application: US 97956263 19971022

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI  
GB GD GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN  
YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 11836

Fulltext Availability:

Detailed Description

Detailed Description

... p  
accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks II 4 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 1 1 4. The MDS server I IO updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks 114. Unfortunately, unless this end-offile information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to predict...the encoder 1 0 1 and the video server 106.

According to one embodiment, the tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information from tag buffer 108 for storage by MDS 112. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video.

1...

26/3,K/15 (Item 4 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00490010

METHOD AND APPARATUS FOR IMPLEMENTING SEAMLESS PLAYBACK OF CONTINUOUS VIDEO FEEDS

PROCEDE ET APPAREIL DE REPRODUCTION ININTERROMPUE D'ALIMENTATIONS SUR SUPPORTS EN CONTINU

Patent Applicant/Assignee:

ORACLE CORPORATION,

Inventor(s):

WEAVER Daniel,

PAWSON David J.,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921362 A2 19990429

Application: WO 98US22012 19981019 (PCT/WO US9822012)

Priority Application: US 97956262 19971022

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI  
GB GD GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN  
YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 11846

Fulltext Availability:

Detailed Description

Detailed Description

... may be accessed.

One approach to avoid premature reads is to repeatedly update a table of contents on disks 114 with a new end-of- file value, and have the video pump 120 check this value before reading stripes from disks 1 14. The MDS server I IO updates the end-of- file to indicate that the content file 134 includes new content only after it has been verified that the new content has been successfully stored to disks II 4.

Unfortunately, unless this endof- file information is guaranteed to be held in dynamic memory, this technique leads to a jitter in the latency period of updates that is difficult to...the encoder 1 0 1 and the video server 106.

According to one embodiment, the tag information is used to indicate the current end-of- file . Specifically, video server 106 effectively updates the end-of- file of file 134 by sending tag information from tag buffer 108 for storage by MDS 1 12. As soon as the tag information that corresponds to a particular portion of content has been transmitted by video server 106, the video pump 120 is free to perform a seek to that particular portion of video . Until the tag information that corresponds to a particular portion of video is released, video pump 120 may not perform a seek to the corresponding portion of video.

Because...

26/3,K/16 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00456825 \*\*Image available\*\*

METHOD AND APPARATUS FOR ENCODING AND FORMATTING DATA REPRESENTING A VIDEO PROGRAM TO PROVIDE MULTIPLE OVERLAPPING PRESENTATIONS OF THE VIDEO

**PROGRAM**

**PROCEDE ET APPAREIL POUR CODER ET FORMATER DES DONNEES REPRESENTANT UN DOCUMENT VIDEO DANS LE BUT DE PRODUIRE DE MULTIPLES PRESENTATIONS A RECOUVREMENT PARTIEL DU DOCUMENT VIDEO**

Patent Applicant/Assignee:

IMEDIA CORPORATION,

Inventor(s):

KRAUSE Edward A,

SHEN Paul,

TOM Adam S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847289 A1 19981022

Application: WO 98US996 19980121 (PCT/WO US9800996)

Priority Application: US 97786282 19970122

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9660

Fulltext Availability:

Detailed Description

Detailed Description

... to reduce the data rate that must be sustained by the playback resource for a given interleaving factor is to reduce the total amount of **data** necessary to represent the **video** program. Well-known techniques in the art can be used to **encode** the **data stream** 10 of Figure 1 to **compress** the amount of **data** necessary to represent the program. Two 30 examples of well-known digital compression standards for **video data** are the MPEG-1 and MPEG-2 standards for Generic Coding of Moving Pictures and Associated Audio. The ITU-T (International Telecommunications Union Telecommunications Standardization Sector) Draft Recommendation H. 262 (10:18 Friday 25 March 1994) is incorporated herein by this reference. A further benefit of **data compression** is that the amount of storage space necessary to store interleaved **data stream** 18 representative of **video** programs for later transmission is also reduced.

A first preferred embodiment of the present invention will

26/3,K/17 (Item 6 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00447232 \*\*Image available\*\*  
**BROADCAST DATA DISTRIBUTION SYSTEM WITH ASYMMETRIC UPLINK/DOWNLINK BANDWIDTHS**  
**SYSTEME DE DISTRIBUTION DE DONNEES DE RADIODIFFUSION A LARGEURS DE BANDE DE LIAISONS MONTANTES/DESCENDANTES ASYMETRIQUES**

Patent Applicant/Assignee:

HERZ Frederick S M,

Inventor(s):

HERZ Frederick S M,  
SMITH Jonathan M,  
WACHOB David,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9837696 A1 19980827

Application: WO 98US3181 19980217 (PCT/WO US9803181)

Priority Application: US 9737354 19970221

Designated States: AU CA CN JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

Publication Language: English

Fulltext Word Count: 19142

Fulltext Availability:

Detailed Description

Detailed Description

... target objects.

The data distribution system is comprised of clients, which are the terminal adapters with extremely limited data storage capacity, and servers, which contain **data**, such as **multimedia information** (such as live program feeds and/or **video -ondemand**) and descriptive **information** (**directory information**, schedules, indices) for the **multimedia information**. Clients are assumed to be under subscriber physical control, while servers are embedded in the physical infrastructure of the **data** distribution system. The keys to a limited **data** storage architecture are the **0 intelligent use of local storage**, optimized through memory management algorithms, the use of subscriber target profile interest summary **information**, and the reliance on a communications protocol between client and **server** to **update** local storage through **server updates** and client requests. This results in a distributed architecture for **directory information** which is robust in the face of change, is low5 cost, and utilizes the CATV/DBS infrastructure itself to preserve these properties.

In practice, the...

26/3,K/18 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00410513 \*\*Image available\*\*

METHOD AND APPARATUS FOR OPERATING A TRANSACTIONAL SERVER IN A PROPRIETARY DATABASE ENVIRONMENT

PROCEDE ET DISPOSITIF POUR EXPLOITER UN SERVEUR DE TRANSACTIONS DANS UN ENVIRONNEMENT DE BASE DE DONNEES PRODUCTEUR

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

ZDEPSKI Joel W,

PAGE Howard G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9800972 A1 19980108

Application: WO 97US11451 19970701 (PCT/WO US9711451)

Priority Application: US 96674268 19960701

Designated States: JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 6064

Fulltext Availability:

Detailed Description  
Detailed Description

... of the application server 115 to perform a series of specifically identified operations dictated by the interactive TV applications.

The interactive TV applications include associated audio and video information sources 120. The application server 115 synchronizes the interactive TV applications and the associated audio and video information sources 120 into transport packets that provide inputs to the encoder and multiplexer 125. The encoder and multiplexer 125 receives the transport packets and encodes...

26/3,K/19 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00406392 \*\*Image available\*\*

**DISTRIBUTED SCHEDULING IN A MULTIPLE DATA SERVER SYSTEM**  
**PLANIFICATION REPARTIE DANS UN SYSTEME A PLUSIEURS SERVEURS DE DONNEES**

Patent Applicant/Assignee:

MICROSOFT CORPORATION,

Inventor(s):

BOLOSKY William J,

FITZGERALD Robert P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9747137 A1 19971211

Application: WO 97US8850 19970605 (PCT/WO US9708850)

Priority Application: US 96684840 19960606

Designated States: JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 7611

Fulltext Availability:

Claims

Claim

... at least one of the data servers that stores a block of the data sequence to enhance fault tolerance.  
6 . In a distributed system having video data servers for storing sequences of video data , a method of distributed scheduling comprising the computer implemented steps of receiving a scheduling data structure at a selected one of the video data servers, said scheduling data structure holding information about an operation on a file to be scheduled by the selected data server; in response to receiving the scheduling data structure, scheduling the operation on the file at the selected video data server ; and updating the scheduling data structure and forwarding the scheduling data structure to a next of the video data servers that is to perform an operation on the file .

7 The method of claim 6 wherein the operation is a read operation for reading video data from the file.

8 The method of claim...

File 9:Business & Industry(R) Jul/1994-2004/Feb 06  
(c) 2004 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2004/Feb 07  
(c) 2004 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2004/Feb 09  
(c) 2004 The Gale Group  
File 20:Dialog Global Reporter 1997-2004/Feb 09  
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File 47:Gale Group Magazine DB(TM) 1959-2004/Feb 06  
(c) 2004 The Gale group  
File 75:TGG Management Contents(R) 86-2004/Feb W1  
(c) 2004 The Gale Group  
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Feb 09  
(c) 2004 The Gale Group  
File 88:Gale Group Business A.R.T.S. 1976-2004/Feb 09  
(c) 2004 The Gale Group  
File 98:General Sci Abs/Full-Text 1984-2004/Jan  
(c) 2004 The HW Wilson Co.  
File 112:UBM Industry News 1998-2004/Jan 27  
(c) 2004 United Business Media  
File 141:Readers Guide 1983-2004/Jan  
(c) 2004 The HW Wilson Co  
File 148:Gale Group Trade & Industry DB 1976-2004/Feb 09  
(c) 2004 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2004/Feb 09  
(c) 2004 The Gale Group  
File 264:DIALOG Defense Newsletters 1989-2004/Jan 15  
(c) 2004 The Dialog Corp.  
File 484:Periodical Abs Plustext 1986-2004/Feb W1  
(c) 2004 ProQuest  
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(c) 2004 The Gale Group  
File 608:KR/T Bus.News. 1992-2004/Feb 09  
(c) 2004 Knight Ridder/Tribune Bus News  
File 620:EIU:Viewswire 2004/Feb 06  
(c) 2004 Economist Intelligence Unit  
File 613:PR Newswire 1999-2004/Feb 09  
(c) 2004 PR Newswire Association Inc  
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Feb 09  
(c) 2004 The Gale Group  
File 623:Business Week 1985-2004/Feb 06  
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(c) 2004 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2004/Feb 07  
(c) 2004 San Jose Mercury News  
File 635:Business Dateline(R) 1985-2004/Feb 07  
(c) 2004 ProQuest Info&Learning  
File 636:Gale Group Newsletter DB(TM) 1987-2004/Feb 09  
(c) 2004 The Gale Group  
File 647:CMP Computer Fulltext 1988-2004/Jan W4  
(c) 2004 CMP Media, LLC  
File 674:Computer News Fulltext 1989-2004/Feb W1  
(c) 2004 IDG Communications  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc

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Set	Items	Description
S1	1349731	(FILE OR DATA OR INFO OR INFORMATION OR RECORD?) (5N) (SHARE? ? OR SHARING)
S2	1494383	(VIDEO? ? OR AUDIO OR MULTIMEDIA OR MULTI()MEDIA OR MOVIE? ? OR AUDIO OR MUSIC? OR SONG? ?) (5N) (FILE OR DATA OR INFO OR - INFORMATION OR RECORD?)
S3	2087045	STREAM?
S4	698950	COMPRESS? OR DECOMPRESS?
S5	100	(CONVERT? OR EDIT OR EDITING OR CHANG? OR TRANSFORM? OR TR- ANSLAT? OR ALTER OR TRANSCOD?) (3W) S4 (3W) S3
S6	27933	(UPLOAD? OR UPDAT? OR SYNCHRONI? OR COORDINAT?) (3N) SERVER? ?
S7	21219	S1(S)S2
S8	0	S7(S)S5
S9	17	S5(S)S2
S10	10	RD S9 (unique items)
S11	8	S10 NOT PY>1999
S12	0	S5(S)S6
S13	463	S6(S)S1
S14	9	S13(S)S2
S15	0	S13(S)S5
S16	5	RD S14 (unique items)
S17	3	S16 NOT (S11 OR PY>1999)
S18	0	AU=(LIWERANT, G? OR LIWERANT G?)
S19	189	AU=(DODGE, C? OR DODGE C?)
S20	0	AU=(BOISSIERE, G? OR BOISSIERE G?)
S21	49	CO=VIDEOSHARE
S22	5	(S19 OR S21) AND (S1 OR S5 OR S6)
S23	2	RD S22 (unique items)
S24	2	S23 NOT (S11 OR S17)
S25	0	S24 NOT PY>1999

11/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2004 Resp. DB Svcs. All rts. reserv.

2180384 Supplier Number: 02180384 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Apple Brings Streaming Chinese Video To QuickTime**  
(Apple Computer has launched simplified and traditional Chinese versions of  
is QuickTime multimedia program that supports more than 150 video effects  
and 200 MIDI-compatible sounds and instruments)  
Newsbytes News Network, p N/A  
July 06, 1998  
DOCUMENT TYPE: Journal ISSN: 0983-1592 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 195

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:  
...content over the Internet, allowing Web surfers to view QuickTime movies  
from any Web server, without long download delays.

QuickTime 3 Pro adds full screen **video**, **video** and **audio editing**, and  
**data compression** for **streaming** delivery from any Web server.

QuickTime 3 can be downloaded free of charge from Apple's Web sites: the  
English version (both Mac/Windows) is...

11/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2004 Resp. DB Svcs. All rts. reserv.

1328084 Supplier Number: 01328084 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Philips Samples Bridge ICs**  
(Philips Semiconductors introduced two integrated circuits that capture  
audio and video data and transport it to the PCI bus)  
Electronic Buyers News, n 980, p 40  
November 06, 1995  
DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 81

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:  
Philips Semiconductors, Sunnyvale, Calif., is sampling the SAA7145 and  
SAA7146 ICs that capture **audio** and **video data** and support transfer of  
that data to the PCI bus. The SAA7146 has multiple asynchronous channels  
for signal capture and playback, and supports higher-performance scalar  
functions than the SAA7145. Both ICs can capture audio through an A/D  
converter or from a **decompressed** MPEG or videoconferencing **stream**  
through a I(2)C serial interface. Shipments are scheduled to begin in  
January. Each part costs \$21.39 in 10,000s. . . .

11/3,K/3 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

05909168 Supplier Number: 53129229 (USE FORMAT 7 FOR FULLTEXT)  
**Phil Ramone Presents Latest Digital Audio Technologies in Live Los Angeles-New York Internet Event.**

Business Wire, p1354

Oct 27, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 862

... protect and promote their work. Like PAC, AudioKey uses psychoacoustic models of human hearing to provide truly imperceptible watermarks. AudioKey can embed large amounts of data in an audio clip while preserving its fidelity. The embedded data is persistent and survives editing, compression, streaming and format conversion. AudioKey is the ideal tool for copy and copyright protection. In addition, it provides one-to-one persistent links between the music...

11/3,K/4 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

05694768 Supplier Number: 50126277 (USE FORMAT 7 FOR FULLTEXT)

**Apple Brings Streaming Chinese Video To QuickTime 07/06/98**

Newsbytes, pN/A

July 6, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newswire; General Trade

Word Count: 209

... content over the Internet, allowing Web surfers to view QuickTime movies from any Web server, without long download delays.

QuickTime 3 Pro adds full screen video, video and audio editing, and data compression for streaming delivery from any Web server.

QuickTime 3 can be downloaded free of charge from Apple's Web sites: the English version (both Mac/Windows) is...

11/3,K/5 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

04570654 Supplier Number: 46718815

**LEAPFROGGING OVER A TECHNOLOGY BARRIER**

BusinessWorld, p110

Sept 17, 1996

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...a system to make video compact discs (CDs) in October 1996. It will also launch by the end of 1996 a device to decode the data in video CDs and convert them into pictures. The two systems are designed for personal computers (PCs). It is also developing systems for direct-to-home (DTH...).

...among the first multimedia products to be designed and developed in India. Integral to the system is an MPEG (Moving Pictures Expert Group) encoder which converts and compresses analogue streams of data into

digital form. C-Dac developed the MPEG encoder in association with Tata Unisys and CD-ROM Strategies Inc of the US. Tata...

11/3,K/6 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

05091994 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
On2.com's Leading-Edge Technology First to Deliver Broadband Content to Consumers; On2.com's TrueMotion 3 Revolutionizes Video Compression for the Web

BUSINESS WIRE  
April 26, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 611

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... transform-based compression, Streamloading(TM), and real-time variable bandwidth control. These features and more will enable full-motion, full-screen, 30 frames-per-second video at data rates as low as 250 kilobits per second.

TrueMotion VP3 will use popular 3D acceleration technology where available, to enhance performance and quality.

Recognizing the...

11/3,K/7 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c) 2004 The Gale Group. All rts. reserv.

08333947 SUPPLIER NUMBER: 17847534 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Video for the masses. (Lineup: Videoconferencing) (Buyers Guide)  
Mier, Edwin E.  
CommunicationsWeek, n587, p81(3)  
Dec 4, 1995  
DOCUMENT TYPE: Buyers' Guide ISSN: 0746-8121 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1060 LINE COUNT: 00094

...ABSTRACT: vendors. Most of the products consist of combinations of hardware and software components. All the products include coder/decoders, or codecs, a core component. Codecs convert video images into compressed, encoded data streams. Twelve of the products accomplish codec processing using software running on a desktop system. The other products use hardware-based codecs.

11/3,K/8 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

01070285 CMP ACCESSION NUMBER: EBN19951106S0079  
Philips Samples Bridge ICs (Insider)  
ELECTRONIC BUYER'S NEWS, 1995, n 980, PG40  
PUBLICATION DATE: 951106  
JOURNAL CODE: EBN LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Products

TEXT:

Philips Semiconductors, Sunnyvale, Calif., is sampling the SAA7145 and SAA7146 ICs that capture audio and video data and support transfer of that data to the PCI bus. The SAA7146 has multiple asynchronous channels for signal capture and playback, and supports higher-performance scalar functions than the SAA7145. Both ICs can capture audio through an A/D converter or from a decompressed MPEG or videoconferencing stream through a I2C serial interface. Shipments are scheduled to begin in January. Each part costs \$21.39 in 10,000s.

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17/3,K/1 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

02951367  
**Sybase and 3Com Form Strategic Relationship to Integrate Industry-Leading Mobile Database With Palm Computing(R) Platform**  
PR NEWSWIRE  
September 28, 1998  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1161

...and organizations worldwide to stay more connected by communicating and sharing information and resources anytime, anywhere. As one of the world's preeminent suppliers of **data**, voice and **video** communications technology, 3Com has delivered networking solutions to nearly 200 million customers worldwide. The company provides large enterprise, small and medium enterprise, carriers and network...

17/3,K/2 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

02637010 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**SUN MICROSYSTEMS: Sun releases new collaboration technology**  
M2 PRESSWIRE  
August 27, 1998  
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 426

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... allows users to sketch diagrams or drawings; a stock quote viewer that gives users continuous stock ticker updates; and a sound server that provides for **shared audio** in presentations.

For more **information** or to license the Java **Shared Data Toolkit** software visit <http://java.sun.com/products/java-media/jsdt>. The cost is \$99 for a single copy; aggressive source licensing is also available...

17/3,K/3 (Item 1 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2004 IDG Communications. All rts. reserv.

071854  
**Sun execs hawk Jini's ease of use**  
Byline: JAMES NICCOLAI  
Journal: Network World  
Publication Date: January 26, 1999  
Word Count: 941 Line Count: 88

Text:

... a whole range of electronics devices -- from handheld computers and cellular phones to VCRs and dishwashers -- to "talk" to each other in a network and **share information** and resources regardless of their underlying operating system or hardware, Sun officials said."Jini is about simplicity and about the age of network services," said...

...hopes Jini will create a market for new Internet-based services that use Jini. For example, a company could rent out storage space on large **servers** where customers can **upload video** and other large **data** files from their PCs. Eventually, the company hopes services and products for enterprise markets will emerge, Gabriel said. Analysts at the Jini launch event were...

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